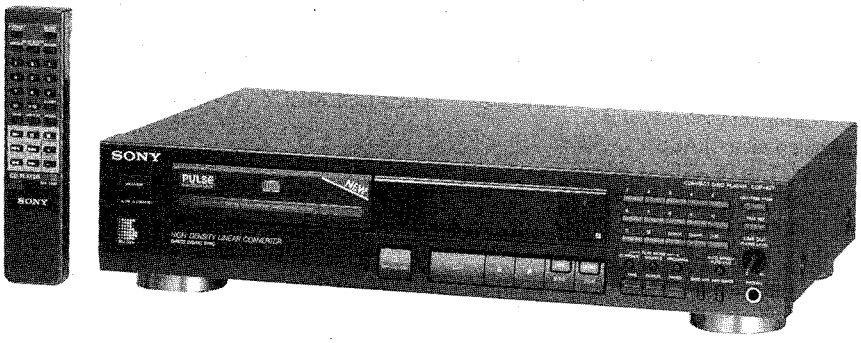
CDP-497

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model



Phote: AEP Model

Model Name Using Similar Mechanism	CDP-295
CD Mechanism Type	CDM14-5BD8A
Optical Pick-Up Block Type	BU-5BD8A

SPECIFICATIONS

Compact disc player

Freqency response	2 Hz to 20 kHz ± 0.5 dB
Signal-to-noise ratio	More than 100dB
Dynamic range	More than 98 dB
Harmonic distortion	Less than 0.0035%
Channel separation	More than 100 dB

Outputs

LINE OUT (FIXED) (phono jacks)
Output level 2V (at 50 kilohms)
Load impedance over 10 kilohms

LINE OUT (VARIABLE) (phono jack)
(only for the UK and AEP model)
Output level max. 2V (at 50 kilohms)
Load impedance over 50 kilohms

PHONES (stereo phone jack)
Output level max. 10 mW
Load impedance 32 ohms

General

Power requirements
AEP model:
220V – 230V AC, 50/60Hz
UK, Australian model:
240V AC, 50/60 Hz
US, Canadian model:
120V AC, 60 Hz
E model:
110 – 120V/220 – 240V AC, adjustable with the voltage selector, 50/60 Hz

Power consumption 12W

Dimensions (approx., including projections)
430 × 100 × 295 mm (w/h/d)
(17 × 4 × 11 5/8 inches)

Weight (approx.) 3.5 kg (7 lbs 12 oz)

Remote commander
(AEP, G, UK model: RM-D597
US, Canadian, E, Australian model: RM-D297)

Remote control system Infrared control
Power requirements 3V DC with two R6 (size AA) batteries
Dimensions (approx., including projections)
40 × 20 × 175 mm (w/h/d)
(1 5/8 × 13/16 × 7 inches)
Weight (approx.) 95g (4oz)

Supplied accessories

Audio cord (1) (2 phono plugs – 2 phono plugs)
Remote commander (1)
R6 (AA) batteries (2)

Desigh and specifications are subject to change without notice.

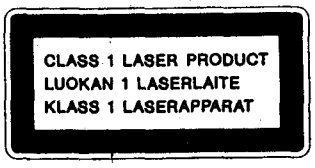
MICROFILM

COMPACT DISC PLAYER

SONY®

1. Laser Diode Properties
   - Material: GaAlAs
   - Wavelength: 780 nm
   - Emission Duration: continuous

For the United Kingdom and European countries



This Compact Disc player is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT label is located on the rear exterior.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

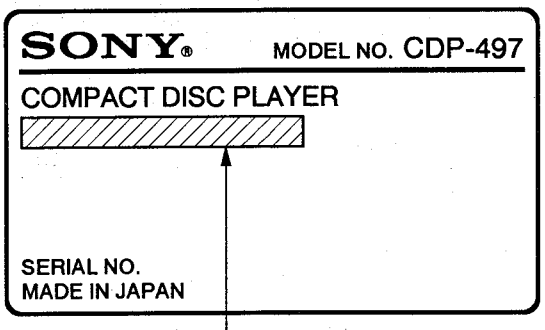
LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

TABLE OF CONTENTS

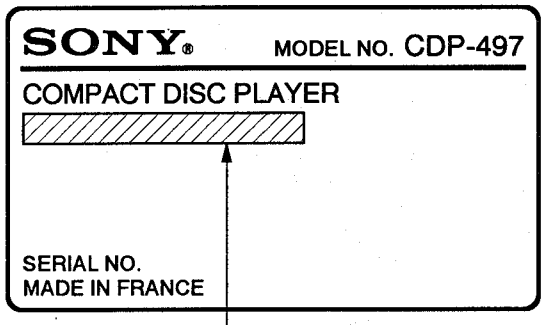
Section	Title	Page
1.	GENERAL	
	Identifying the Parts	4
2.	DISASSEMBLY	5
3.	ELECTRICAL BLOCK CHECKING	6
4.	DIAGRAMS	
4-1.	Pin Functions	8
	• IC101 (CXD2501Q) Pin Function	8
	• IC301 (CXD2500AQ) Pin Function	10
4-2.	Circuit Boards Location	12
4-3.	Block Diagram	12
4-4.	Printed Wiring Boards — Main Block —	15
4-5.	Schematic Diagrams — Main Block —	19
4-6.	Printed Wiring Boards — MD Block —	22
4-7.	Schematic Diagrams — MD Block —	23
4-8.	Semiconductor Lead Layouts	23
4-9.	IC Block Diagrams	25
5.	EXPLODED VIEWS	
5-1.	Cabinet Section	27
5-2.	MD Section (CDM14-5BD8A)	29
5-3.	Pick-up Block (BU-5BD8A)	30
6.	ELECTRICAL PARTS LIST	31

MODEL IDENTIFICATION

— SPECIFICATION LABEL —



US, Canadian MODEL:	AC:120V 60Hz 12W
AEP MODEL:	AC:220–230V~ 50/60Hz
Australian MODEL:	AC:240V~ 50/60Hz
E MODEL:	AC:110–120, 220–240V~ 50/60Hz 12W



AEP MODEL:	AC:220–230V~ 50/60Hz
UK MODEL:	AC:240V~ 50/60Hz

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safty check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal part to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

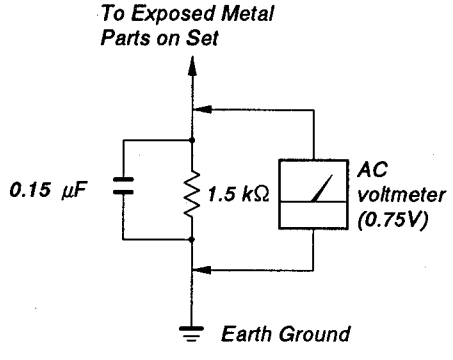
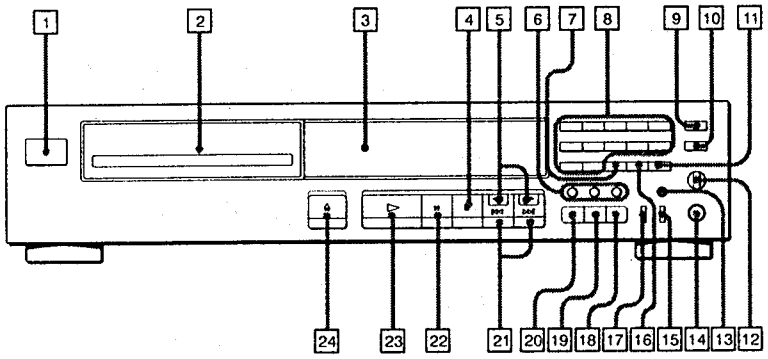


Fig. A. Using an AC voltmeter to check AC leakege.

SECTION 1
GENERAL

Identifying the Parts

Front Panel



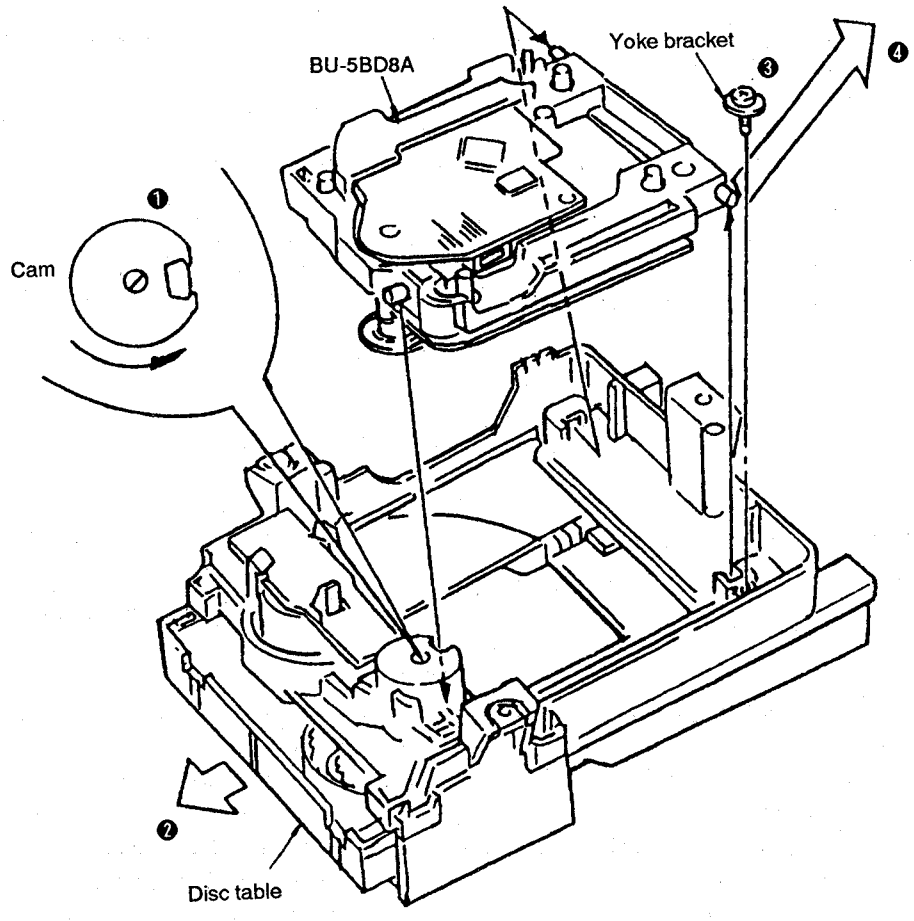
1 POWER switch
2 Disc tray
3 Display window
4 ■ (stop) button
5 ◀◀/▶▶ (manual search) buttons
6 Play mode buttons
  CONTINUE button
  SHUFFLE button
  PROGRAM button
7 CHECK (program check) button
8 Numeric buttons
9 EDIT/TIME FADE button
10 TIME SET button
11 >12 (over 12) button
12 LINE OUT/PHONE LEVEL control
  (for the model for the United Kingdom and European countries)
  PHONE LEVEL control
  (for the model for other countries)
13 AUTO SPACE/AUTO CUE button
14 PHONES jack
15 PEAK SEARCH button
16 CLEAR (program clear) button
17 MUSIC SCAN button
18 FADER button
19 REPEAT button
20 TIME button
21 ⏮/⏭ (AMS*) buttons
22 ❚❚ (pause) button
23 ▶ (play) button
24 ⏏ OPEN/CLOSE button

* AMS is the abbreviation of Automatic Music Sensor.

SECTION 2
DISASSEMBLY

Note: Fellow the disassemby procedure in the numerical order given.

❶ Turn the cam to the direction of arrow (Counter clock wise) by minus screw driver.
❷ Take off the disc table.
❸ Remove the yoke bracket.
❹ Remove the MD (BU-5BD8A) to the direction of arrow.

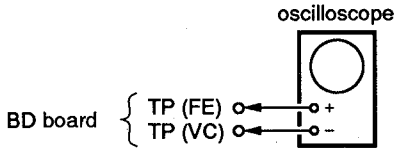


SECTION 3
ELECTRICAL BLOCK CHECKING

Note:

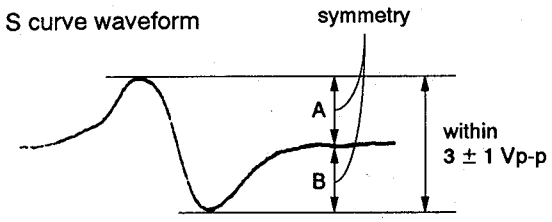
1. CD Block basically constructed to operate without adjustment.Therefore, check each item in order given.
2. Use YDES-18 disc (3-702-101-01) unless otherwise indicated.
3. Use the oscilloscope with more than 10MΩ inpedance.
4. Clean an object lens by an applicator with neutral detergent with the signal level is low than specified value with the following checks.

S Curve Check



Procedure:

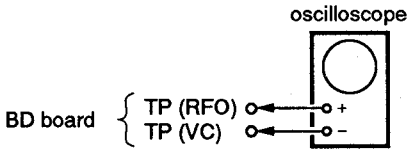
1. Connect oscilloscope to test point TP (FE) on BD board.
2. Connect between test point TP (FEI) and TP (VC) by lead wire.
3. Tured Power switch on and actuate the focus serch. (actuate the focus serch when disc table is moving in and out.)
4. Check the oscilloscope waveform (S curve) is symmetrical between A and B. And confirm peak to peak level within 3 ± 1 Vp-p.



5. After check, remove the lead wire connected in step 2.

Note:
- Try to measure several times to make sure that the ratio of A:B or B:A is more than 10:7.
- Take sweep time as long as possible and light up the brightness to obtain best waveform.

RF Level Check

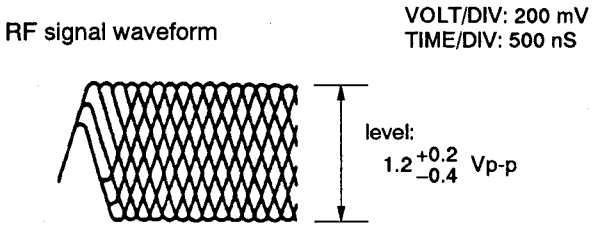


Procedure:

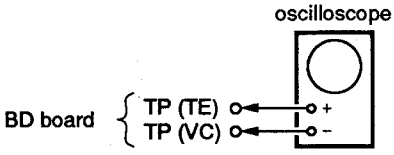
1. Connect oscilloscope to test point TP (RFO) on BD board.
2. Ture Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

Note:

Clear RF signal waveform means that the shape " ◇ " can be clearly distinguished at the center of the waveform.

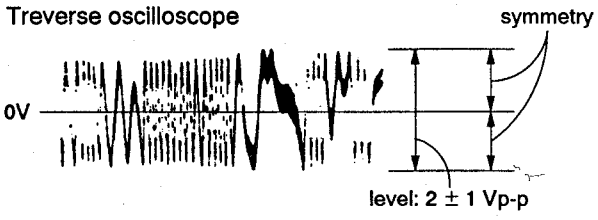


E-F Balance Check



Procedure:

1. Connect test point TP (ADJ) to ground and TP (TEI) to TP (VC) with lead wire.
2. Connect oscilloscope to test point TP (TE) on BD board.
3. Turn Power switch on.
4. Put disc (YEDS-18) in and playback.
5. Confirm that the oscilloscope waveform is symmetrical on the top and bottom in relation to 0V, and check this level.



6. Remove the lead wire connected in step 1.

SECTION 4
DIAGRAMS

4-1. PIN FUNCTIONS

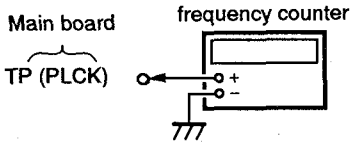
• **IC101 (CXD2501Q) PIN FUNCTION**

Pin No.	Pin Name	I/O	Function
1	ADII	I	A/D signal input.
2	ADIO	O	Analog switch output.
3	RF	I	RF signal input.
4	TE	I	Tracking error signal input.
5	SE	I	SE signal input.
6	NC		Not used.
7	FE	I	Focus error signal input.
8	VC	I	Center voltage (2.5V) input.
9	DVss		Digital GND.
10	NC		Not used.
11	ATSK		
12	NC		
13	DFSW	I	Prevents the DFCT circuit from operating at "H".
14	DFCT	O	DFCT signal output.
15	XTAL	I	Master clock signal input.
16	NC		Not used.
17	XTSL	I	Frequency switching of input master clock signal. 22 MHz at "H". 11 MHz at "L".
18	LOCK	I	Lock signal input.
19	FOK	O	Focus OK signal output.
20	MIRR	O	Mirror signal output.
21	CLK	I	Clock signal when transmitting data from micro processor.
22	NC		Not used.
23	XLT	I	Latch signal when transmitting data from micro processor.
24	DATA	I	Data from micro processor.
25	COUT	O	Track jump number count signal output.
26	NC		Not used.
27	DVDD		Digital +5V.
28	NC		Not used.
29	SENS	O	SENS signal output.
30	SCLK	I	Serial data reading clock.
31	NC		Not used.
32	DIRC	I	DIRC signal input.
33	XRST	I	Reset signal input.
34	SOCK		Not used.
35	XOLT		
36	SOUT		
37	NC		
38	SFDR	O	Sled drive signal output (FWD).
39	SRON		Not used.
40	SRDR	O	Sled drive signal output (REVERSE).
41	SFON		Not used.
42	NC		
43	DVss		Digital GND.
44	NC		Not used.

RF PLL Free-run Frequency Check

Procedure:

1. Connect frequency counter to test point (PLCK) with lead wire.

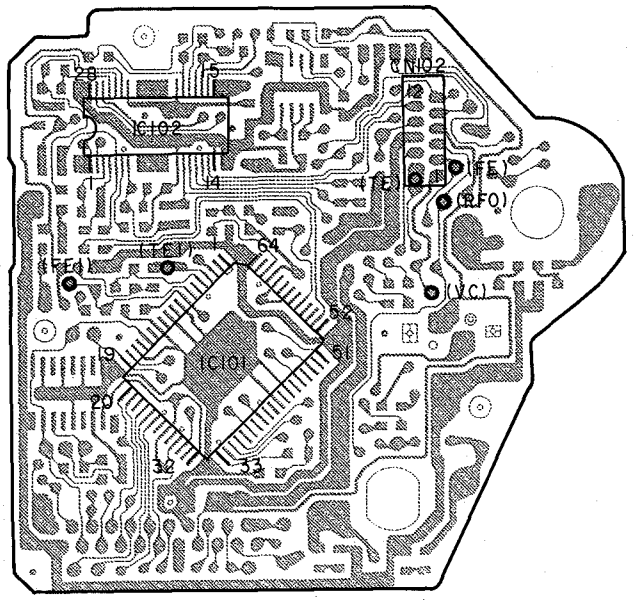


2. Turn Power switch on.
3. Confirm that reading on frequency counter is 4.3218 MHz.

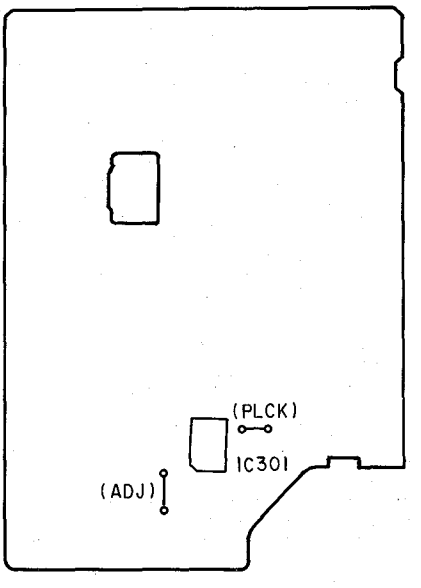
Focus/Tracking Gain

This gain has a margin, so even if it is slightly off.
There is no problem.
Therefore, do not perform, this adjustment.
Please note that it should be fixed to mechanical center position when you moved and do not know original position.

[BD BOARD] — Conductor Side —



[MAIN BOARD] — Component Side —



Pin No.	Pin Name	I/O	Function
45	TEST		Fixed at "L".
46	NC		Not used.
47	TRDF	O	Tracking drive signal output (FWD).
48	TRON		Not used.
49	TRDR	O	Tracking drive signal output (REVERSE).
50	TFON		Not used.
51	FFDR	O	Focus drive signal output (FWD).
52	FRON		Not used.
53	FRDR	O	Focus drive signal output (REVERSE).
54	FFON		Not used.
55	NC		
56	SSTP	I	Limit switch detection.
57	NC		Not used.
58	CDS	I	Used at "H".
59	NC		Not used.
60	DV_{DD}		Digital +5V.
61	AV_{DD}		Analog +5V.
62	IGEN		Input for the ope-amp current supply.
63	NC		Not used.
64	AV_{SS}		Analog GND.

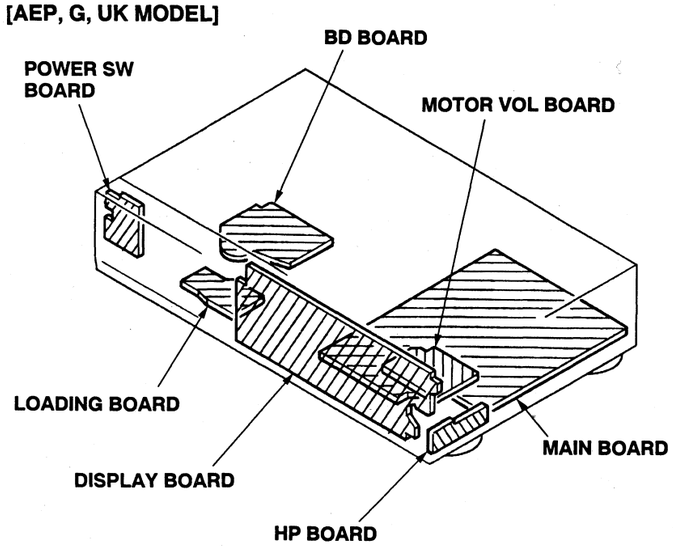
• **IC301 (CXD2500QA) PIN FUNCTION**

Pin No.	Pin Name	I/O	Function
1	FOK	I	Focus OK input pin. Used for SENS output and servo auto sequencer.
2	FSW	O	Spindle motor output filter switching output.
3	MON	O	Spindle motor ON-OFF control output.
4	MDP	O	Spindle motor servo control.
5	MDS	O	Spindle motor servo control.
6	LOCK	O	Samples GFS at 460 Hz, and outputs H when GFS is H. Outputs L if L continues eight times.
7	NC	—	
8	VCOO	O	Oscillation circuit output for analog EFM PLL.
9	VCOI	I	Oscillation circuit input for analog EFM PLL. fLOCK=8.6436 MHz.
10	TEST	I	TEST pin. Normally GND.
11	PDO	O	Charge pump output for analog EFM and PLL.
12	VSS		GND
13	NC	—	
14	NC	—	
15	NC	—	
16	VPCO	O	PLL charge pump output for variable pitch.
17	VCKI	I	Clock input from the external VCO for variable pitch. fCcenter=16.9344 MHz.
18	FILO	O	Filter output for master PLL (Slave=Digital PLL).
19	FILI	I	Filter input for master PLL.
20	PCO	O	PLL charge pump output for master PLL.
21	AVSS		Analog GND
22	CLTV	I	Master VCO control voltage input.
23	AVDD		Analog power supply (+5V)
24	RF	I	EFM signal input.
25	BIAS	I	Asymmetry circuit regulated current input.
26	ASYI	I	Asymmetry comparative voltage input.
27	ASYO	O	EFM full swing output (L=VSS, H=VDD)
28	ASYE	I	L:Asymmetry circuit OFF H:Asymmetry circuit ON.
29	NC	—	Not used.
30	PSSL	I	Audio data output mode switching input. Serial output at L, parallel output at H.
31	WDCK	O	D/A interface for 48 bit slot. Word-clock f=2Fs.
32	LRCK	O	D/A interface for 48 bit slot. LR clock f=Fs.
33	VDD		Power supply (+5V).
34	DA16	O	DA16 (MSB) output when PSSL=1. 48 bit slot serial data when PSSL=0 (2s'COMP, MSB first).
35	DA15	O	DA15 output when PSSL=1. 48 bit slot bit clock when PSSL=0.
36	DA14	O	DA14 output when PSSL=1. 64 bit slot serial data when PSSL=0 (2s'COMP, LSB first)
37	DA13	O	DA13 output when PSSL=1. 64 bit slot bit clock when PSSL=0.
38	DA12	O	DA12 output when PSSL=1. 64 bit slot LR clock when PSSL=0.
39	DA11	O	DA11 output when PSSL=1. GTOP output when PSSL=0.
40	AD10	O	DA10 output when PSSL=1. XUGF output when PSSL=0.
41	DA09	O	DA09 output when PSSL=1. XPLCK output when PSSL=0.
42	DA08	O	DA08 output when PSSL=1. GFS output when PSSL=0.
43	DA07	O	DA07 output when PSSL=1. RFCK output when PSSL=0.
44	DA06	O	DA06 output when PSSL=1. C2P0 output when PSSL=0.
45	DA05	O	DA05 output when PSSL=1. XRAOF output when PSSL=0.

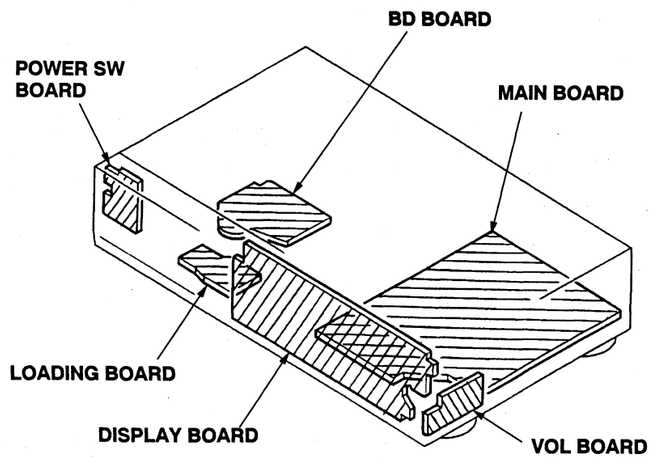
Pin No.	Pin Name	I/O	Function
46	DA04	O	DA04 output when PSSL=1. MNT3 output when PSSL=0.
47	DA03	O	DA03 output when PSSL=1. MNT2 output when PSSL=0.
48	DA02	O	DA02 output when PSSL=1. MNT1 output when PSSL=0.
49	DA01	O	DA01 output when PSSL=1. MNT0 output when PSSL=0.
50	APTR	O	Aperture correction control output. H when Rch.
51	APTL	O	Aperture correction control output. H when Lch.
52	Vss		GND
53	XTAI	I	16.9344 MHz crystal oscillation circuit input. Or 33.8688 MHz input.
54	XTAO	O	16.9344 MHz crystal oscillation circuit input.
55	XTSL	I	Crystal selection input pin. Set to L when crystal is 16.9344 MHz. Set to H when 33.8688 MHz.
56	FSTT	O	2/3 frequency division output of Pins ㊸ and ㊹. Will not change by variable pitch.
57	C4M	O	4.2336 MHz output. Varies simultaneously with pitch.
58	C16M	O	16.9344 MHz output. Varies simultaneously with pitch.
59	MD2	I	Digital-Out ON/OFF control. ON at H, OFF at L.
60	DOUT	O	Digital-Out output pin.
61	EMPH	O	Outputs H if emphasis is present in the playback disc. Outputs L when it is absent.
62	WFCK	O	WFCK (Write Frame Clock) output.
63	SCOR	O	Outputs H when either sub-code sync S0 or S1 has been detected.
64	SBSO	O	SubP to W serial output.
65	EXCK	I	SBSO read-out clock input.
66	SQSO	O	SubQ 80 bit and PCM peak level data 16 bit output.
67	SQCK	I	SQSO read-out clock input.
68	MUTE	I	Mute at H, release at L.
69	SENS	—	SENS output. Outputs to CPU.
70	XRST	I	System reset. Resets at "L".
71	DATA	I	Serial data input from CPU.
72	XLAT	I	Latch input from CPU. Latches the serial data at falling.
73	VDD		Power supply (+5V).
74	CLOK	I	Serial data transmission clock input from CPU.
75	SEIN	I	SENS input from SSP.
76	CNIN	I	Track jump number count signal input.
77	DATO	O	Outputs the serial data to SSP.
78	XLTO	O	Outputs the serial data latch to SSP. Latches at falling.
79	CLKO	O	Outputs the serial data transmission clock to SSP.
80	MIRR	I	Mirror signal input. Uses for a jump above 128 track with auto sequencer. 1, 0

4-2. CIRCUIT BOARDS LOCATION

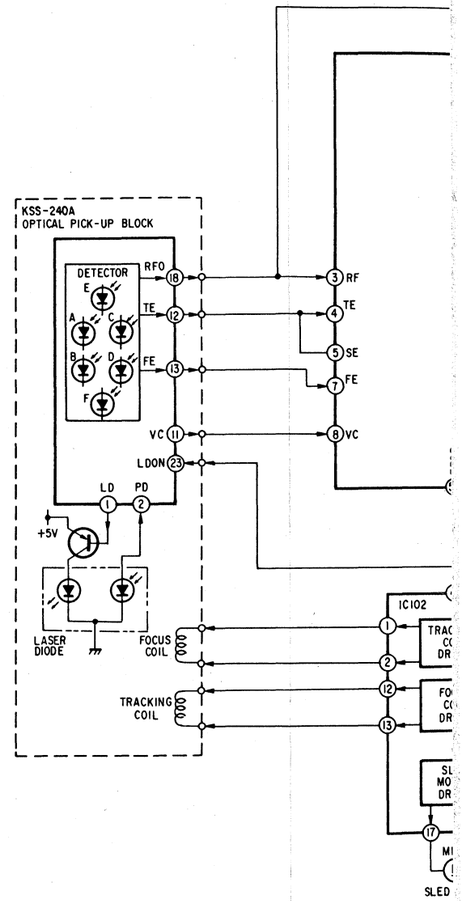
[AEP, G, UK MODEL]



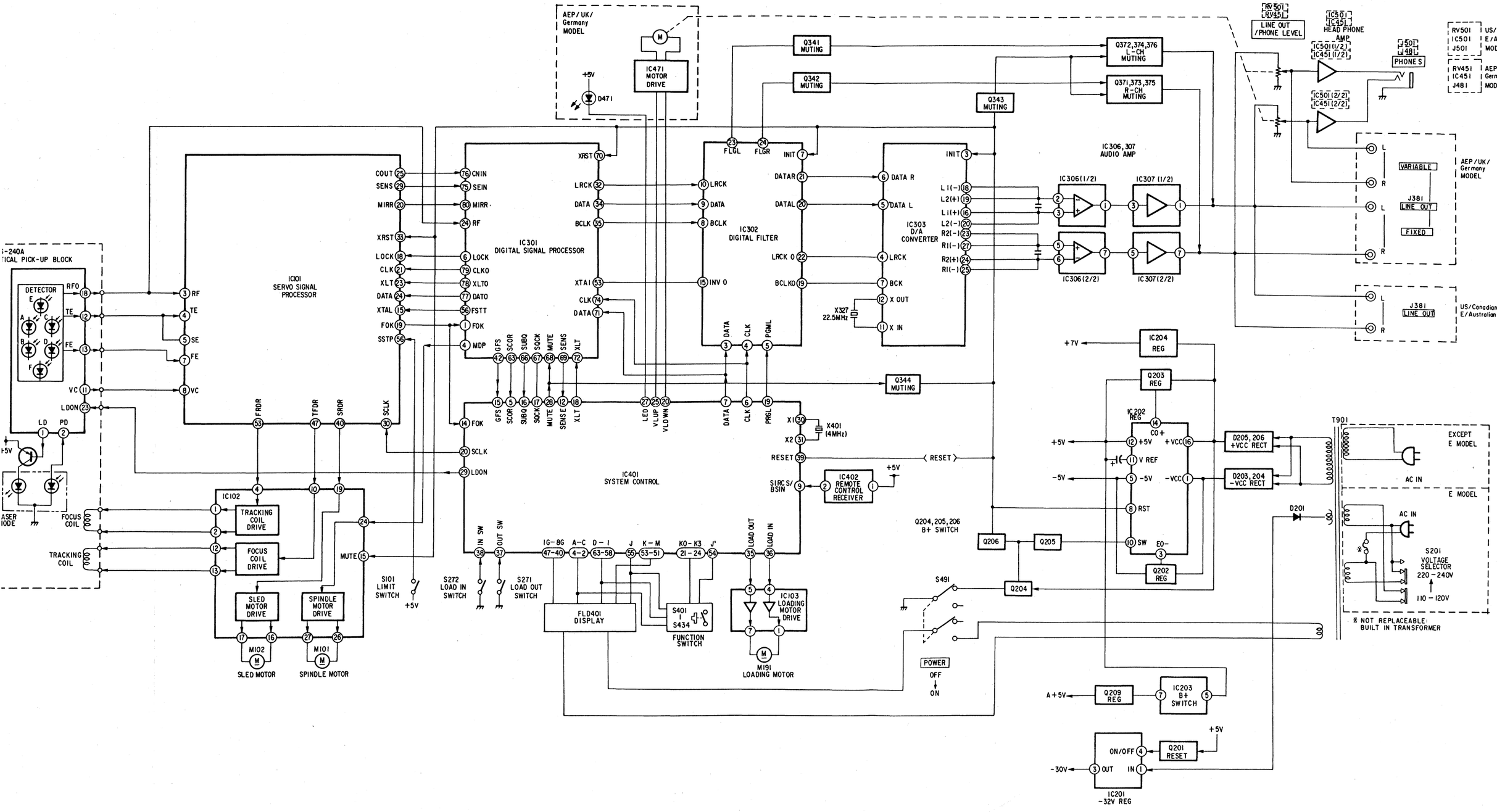
[US, Canadian, E, Australian MODEL]



4-3. BLOCK DIAGRAM



BLOCK DIAGRAM



4-4. PRINTED WIRING BOARDS — MAIN BLOCK —

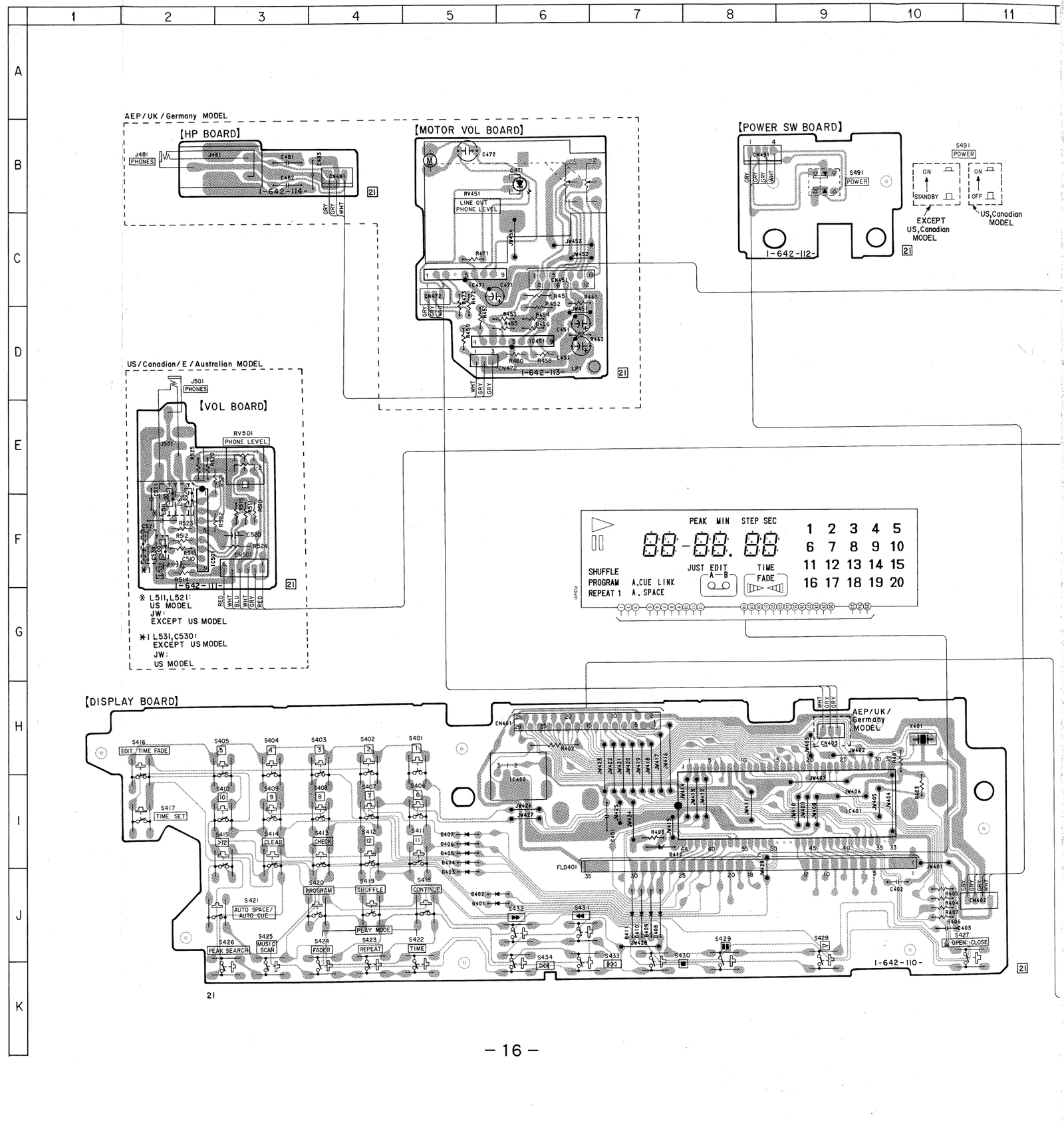
• "Semiconductor Laed Layouts" is inserted on page 23.

• SEMICONDUCTORS LOCATION

Ref. No.	Location
D201	F-18
D202	G-18
D203	F-18
D204	F-17
D205	F-17
D206	F-17
D208	F-16
D209	F-16
D328	G-13
D344	H-13
D401	J-5
D402	J-5
D403	J-5
D404	J-5
D405	J-5
D406	I-5
D407	I-5
D408	J-7
D409	J-7
D410	J-7
D411	J-7
D412	J-7
D471	B-6
IC201	F-18
IC202	G-17
IC203	G-15
IC204	G-18
IC301	I-16
IC302	G-14
IC303	F-14
IC306	E-14
IC307	D-14
IC401	I-9
IC402	I-6
IC451	D-6
IC471	C-5
IC501	F-2
Q201	F-18
Q202	H-17
Q203	G-17
Q204	G-18
Q205	G-18
Q206	H-18
Q209	G-15
Q341	E-13
Q342	E-13
Q343	E-13
Q344	H-13
Q371	C-14
Q372	C-15
Q373	C-14
Q374	C-15
Q375	C-13
Q376	C-15

Note:

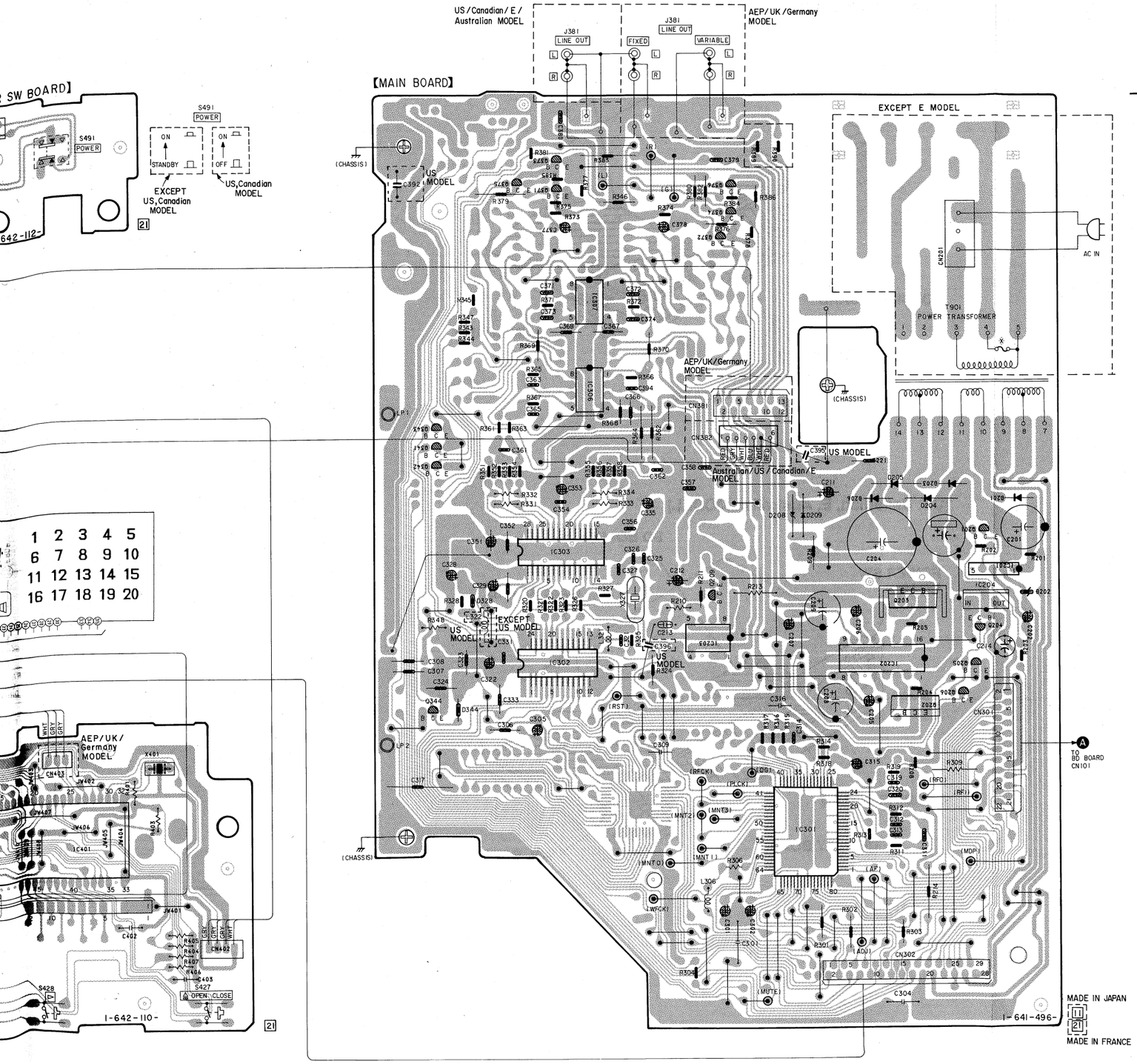
• •—— : indicated a lead wire mounted on the component side.



Note:

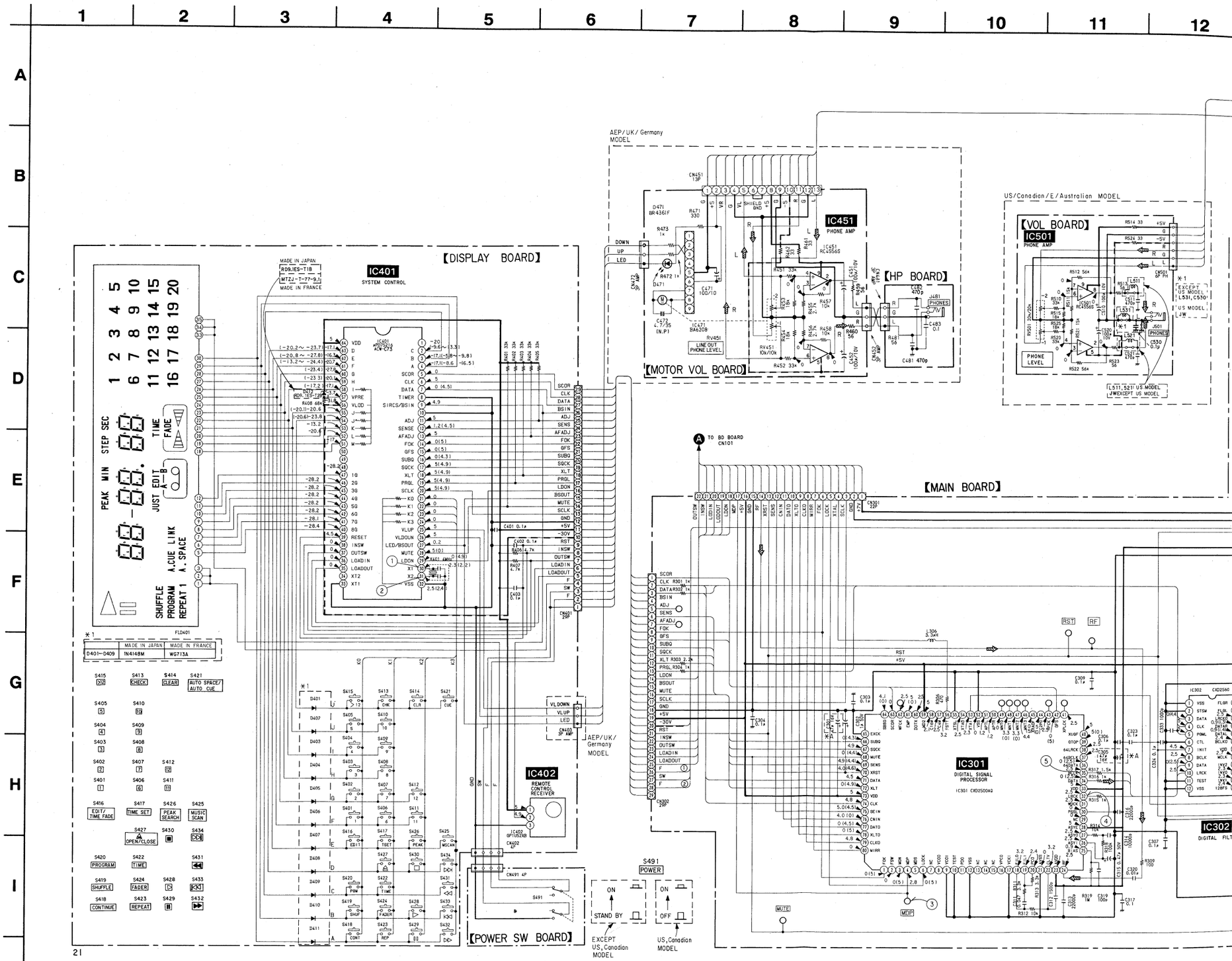
• •—— : indicated a lead wire mounted on the component side.

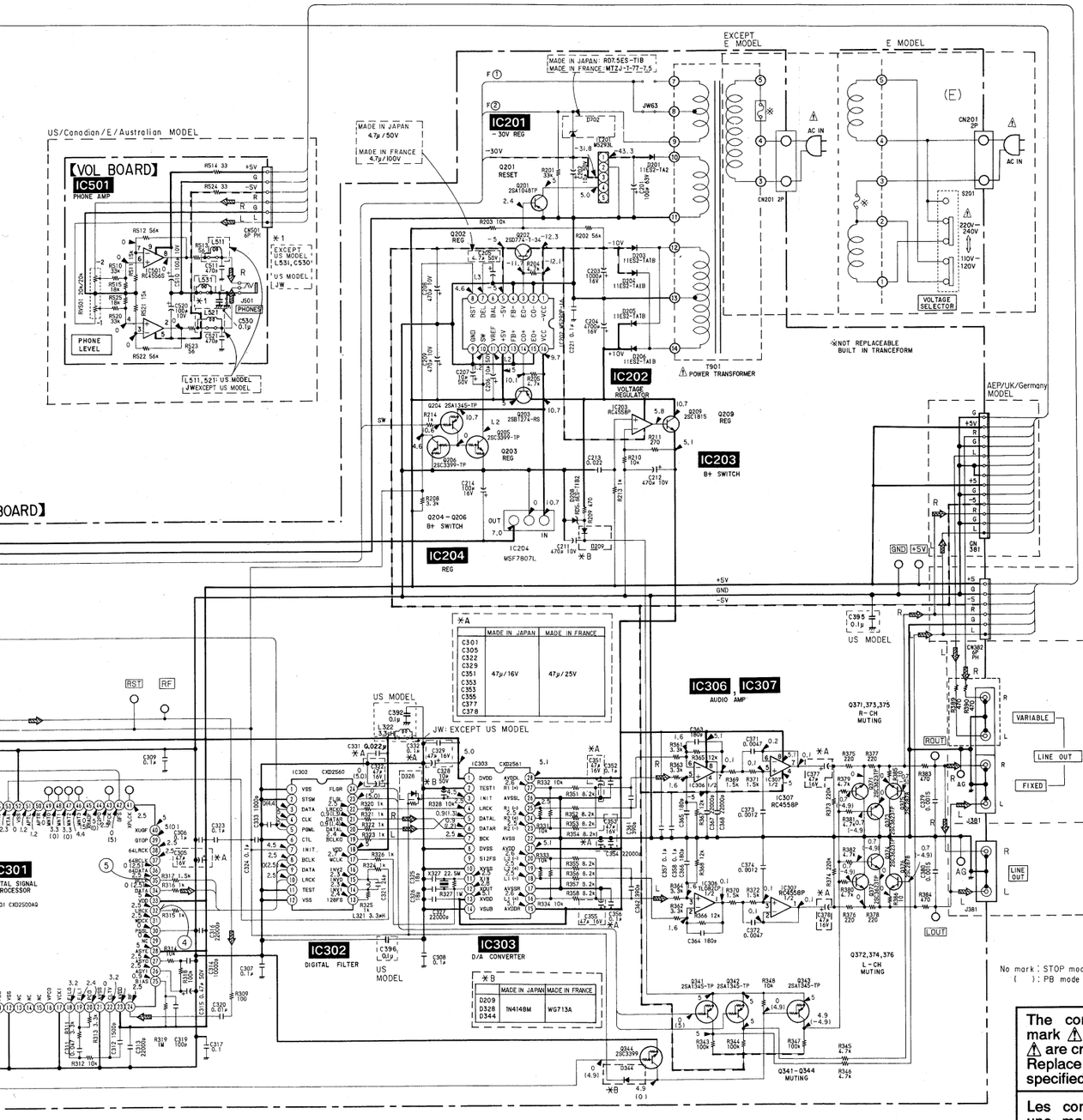
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23



4-5. SCHEMATIC DIAGRAMS — MAIN BLOCK —

- "IC Block Diagrams" is inserted on page 25 to page 26.





The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

WAVEFORMS

1 4 Vp-p, 4MHz
IC401 ㉛ (PLAY or STOP)

2 5.4 Vp-p, 4MHz
IC401 ㉛ (PLAY or STOP)

3 2.5 Vp-p, 7.6μsec
IC301 ④ (PLAY)

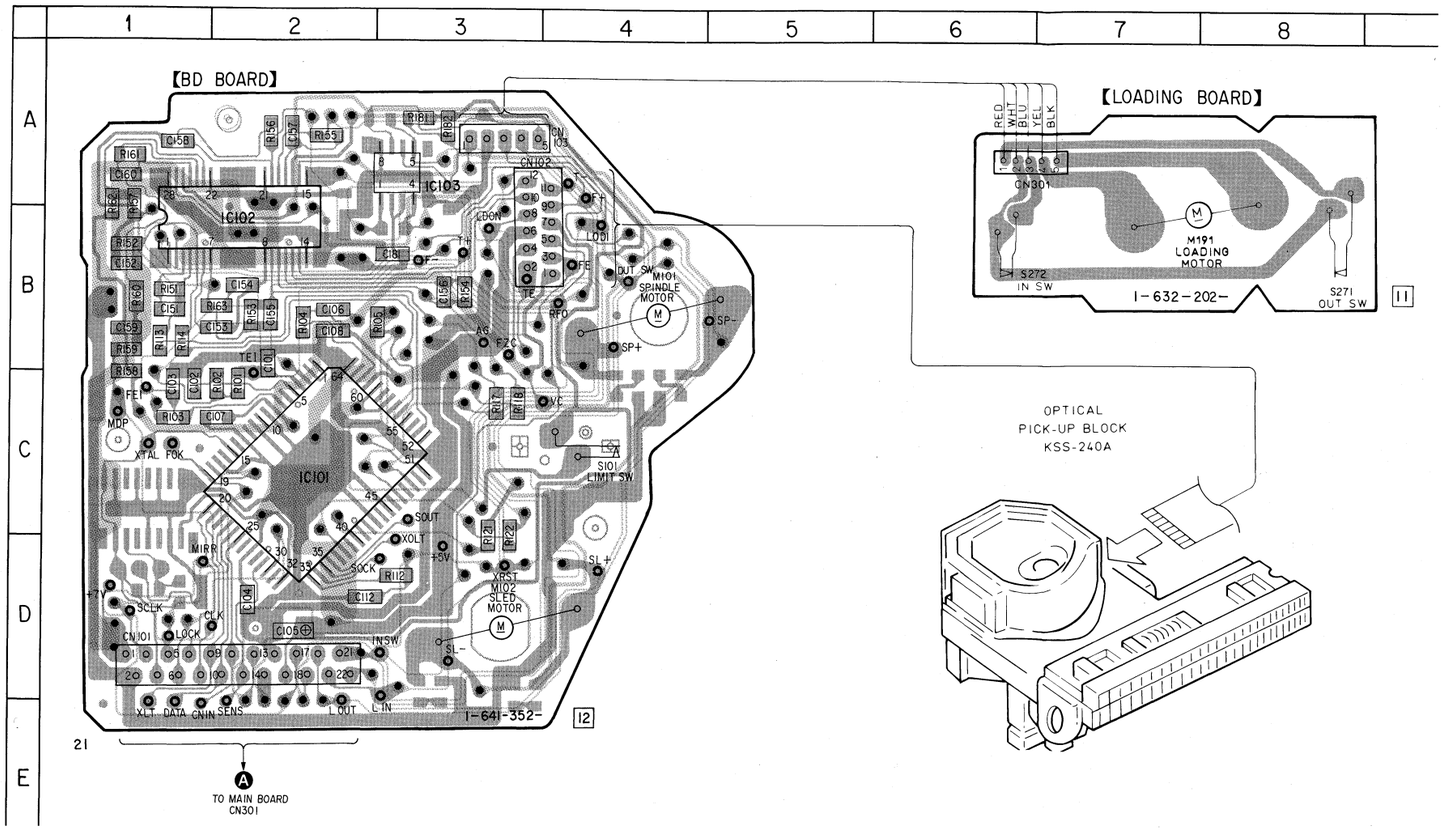
4 5 Vp-p, 23μsec
IC301 ㉜ (PLAY or STOP)

5 5 Vp-p, 0.48μsec
IC301 ㉝ (PLAY or STOP)

Note:

- All capacitors in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, 1/4W chip resistors 1/10W or less unless otherwise noted.
- △ : internal component.
- ——— : B+ Line.
- - - - - : B– Line.
- ▭ : adjustment for repair.
- Voltages are DC between measurement points and ground under no-signal (STOP) conditions.
- no mark : STOP
- Voltages are taken with a VOM (input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path
  ⇨ : CD

4-6. PRINTED WIRING BOARDS — MD BLOCK —



Note:

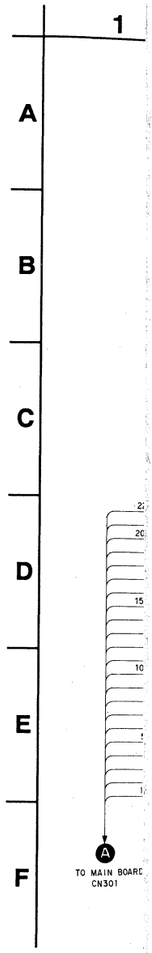
- •—— : indicated a lead wire mounted on the component side.
- ■ : parts mouted on the conductor side.
- ● : Through hole.
- : Pattern from the side whitch enables seeing.
- : Pattern of the rear side.

• SEMICONDUCTORS LOCATION

Ref. No.	Location
IC101	C-2
IC102	B-2
IC103	A-3

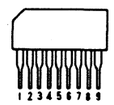
4-7. SCH

• "IC Block [

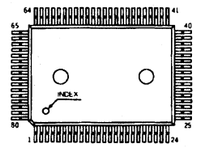


4-8. SEMICONDUCTOR LEAD LAYOUTS

BA6208
RC4556S

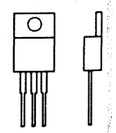


CXD2500AQ

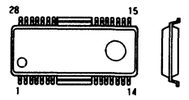


MARKING SIDO VIEW

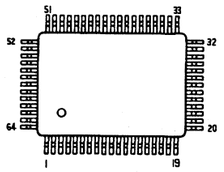
M5F78(



BA6297FP



CXD2501Q

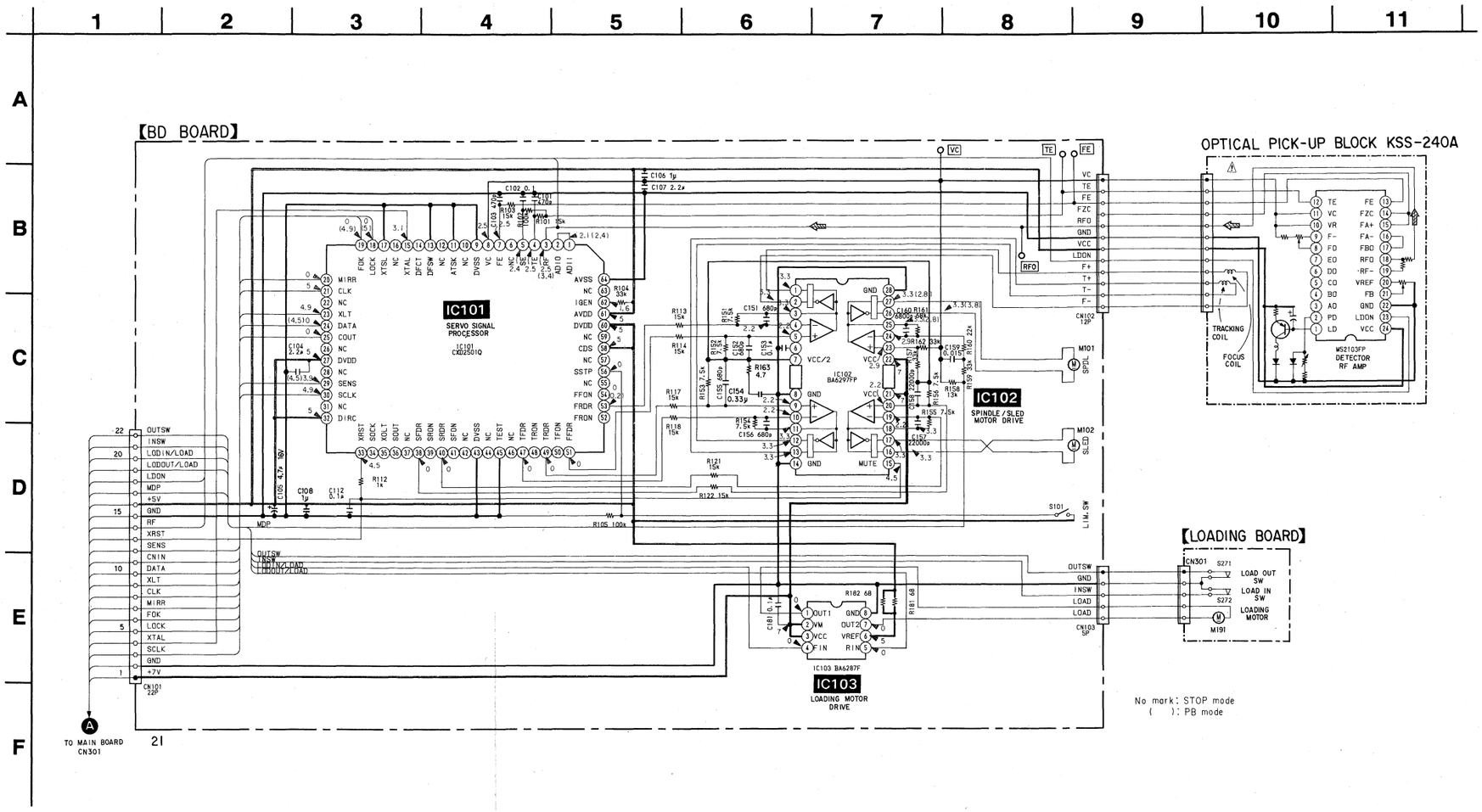


TOP VIEW

M5293I

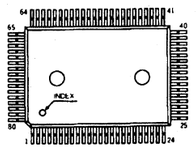
4-7. SCHEMATIC DIAGRAMS — MD BLOCK —

- "IC Block Diagrams" is inserted on page 25 to page 26.

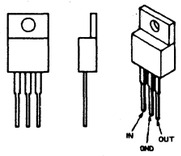


AD LAYOUTS

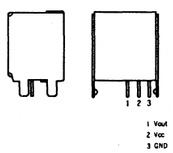
CXD2500AQ



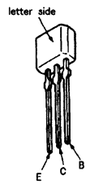
M5F7807



GP1U52XB

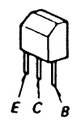


2SA1175-HFE

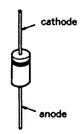


2SC1815-Y
2SC2878-AB

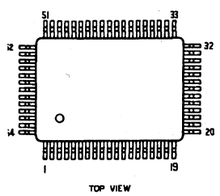
2SD774-34



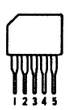
1N4148M



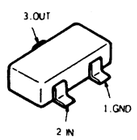
CXD2501Q



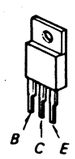
M5293L



DTA144ES
DTC144ES

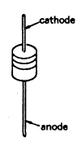


2SB1094-LK

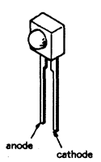


2SC3623A-LK

RD5.6ES-B2
RD7.5ES-B2
WG713A
11ES2

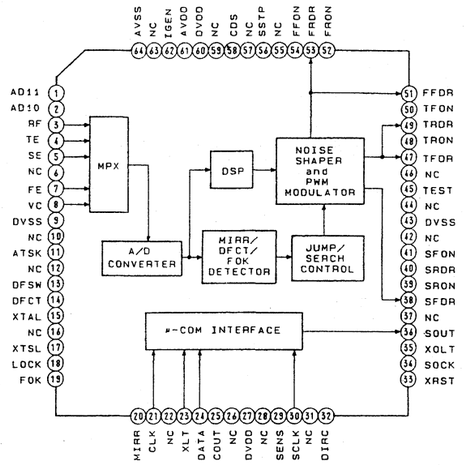


BR4361F

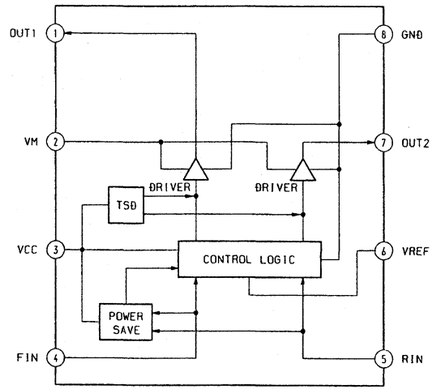


4-9. IC BLOCK DIAGRAMS

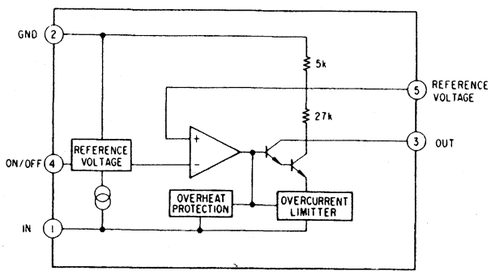
IC101 CXD2501Q


AVSS NC IGEN AVDD DVDD NC CDS NC SSTP NC FFDR FRDR FRDR
AD11 AD10 RF TE SE NC FE VC DVSS NC ATSK NC DFSW DFCT XTAL NC XTSL LOCK FOK
MPX
DSP
NOISE SHAPER and PWM MODULATOR
A/D CONVERTER
MIRR/ DFCT/ FOK DETECTOR
JUMP/ SEARCH CONTROL
μ-COM INTERFACE
FFDR TFDN TRDR TRDN TFDR NC TEST NC NC DVSS NC SFDN SRDR SRDN SFDR NC SOUT XOLT SOCK XRST
MIRR CLK NC XLT DATA COUT NC DVDD NC SENS SCLK NC DIRC

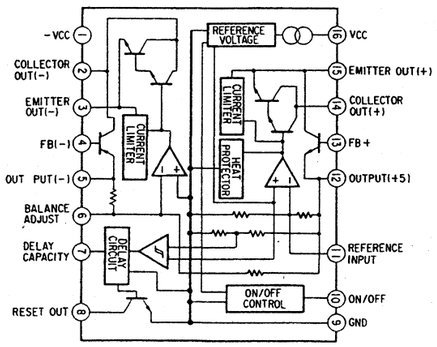
IC103 BA6287F



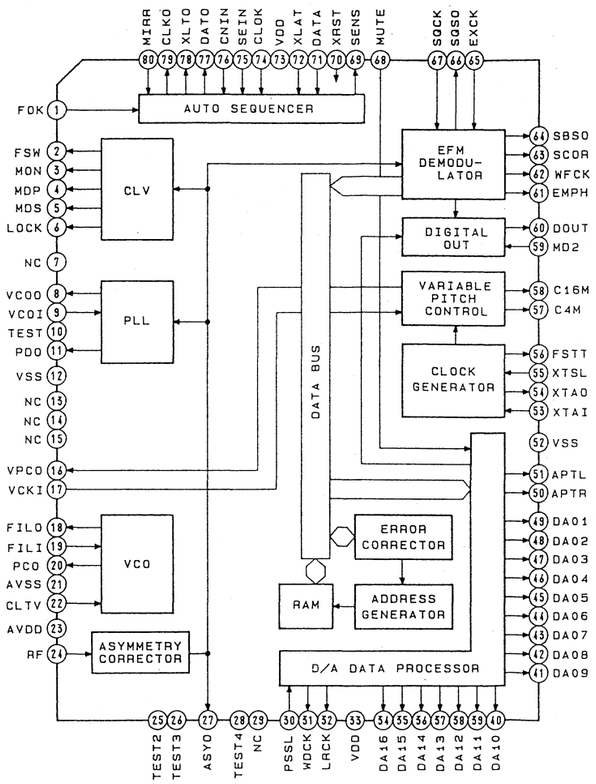
IC201 M5293L



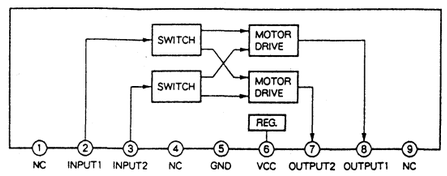
IC202 M5290P-16


-VCC COLLECTOR OUT(-) EMITTER OUT(-) FBI(-) OUT PUT(-) BALANCE ADJUST DELAY CAPACITY RESET OUT
REFERENCE VOLTAGE
CURRENT LIMITER
CURRENT LIMITER
HEAT PROTECTOR
RESET CIRCUIT
ON/OFF CONTROL
VCC EMITTER OUT(+) COLLECTOR OUT(+) FB+ OUTPUT(+5) REFERENCE INPUT ON/OFF GND

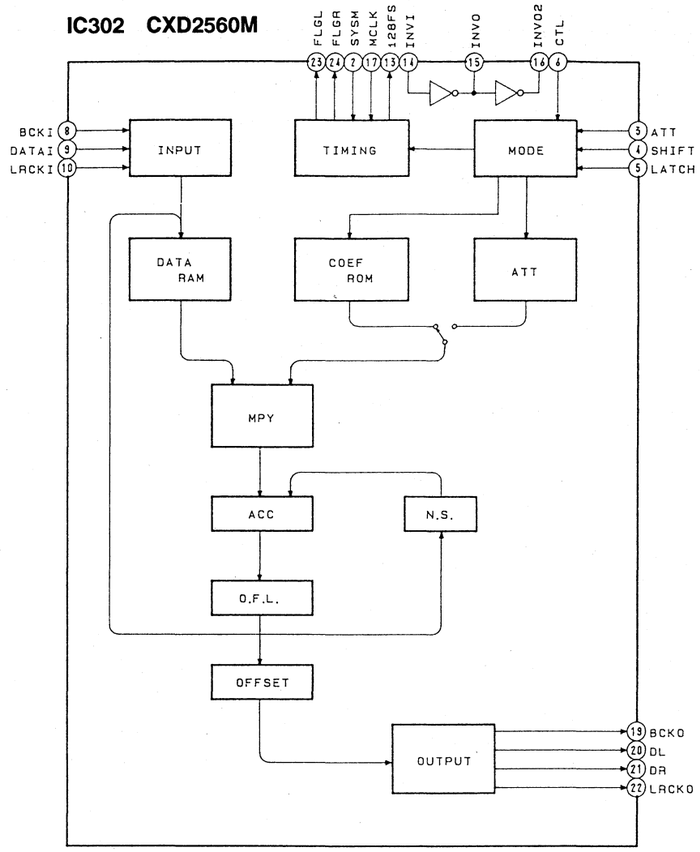
IC301 CXD2500AQ


MIRR CLKO XLTO DATO CNIN SEIN CLOK VDD XLAT DATA XRST SENS MUTE SQCK SQSO EXCK
AUTO SEQUENCER
FOK FSW MON MDP MDS LOCK NC VCOO VCOI TEST PDO VSS NC NC NC VPCO VCKI FILO FILI PCO AVSS CLTV AVDD RF
CLV
PLL
VCO
ASYMMETRY CORRECTOR
DATA BUS
ERROR CORRECTOR
ADDRESS GENERATOR
RAM
D/A DATA PROCESSOR
EFM DEMODU-LATOR
DIGITAL OUT
VARIABLE PITCH CONTROL
CLOCK GENERATOR
SBSO SCOR WFCK EMPH DOUT MD2 C16M C4M FSTT XTSL XTAO XTAI VSS APTL APTR DA01 DA02 DA03 DA04 DA05 DA06 DA07 DA08 DA09
TEST2 TEST3 ASYO TEST4 NC PSSL WDCK LRCK VDD DA16 DA15 DA14 DA13 DA12 DA11 DA10

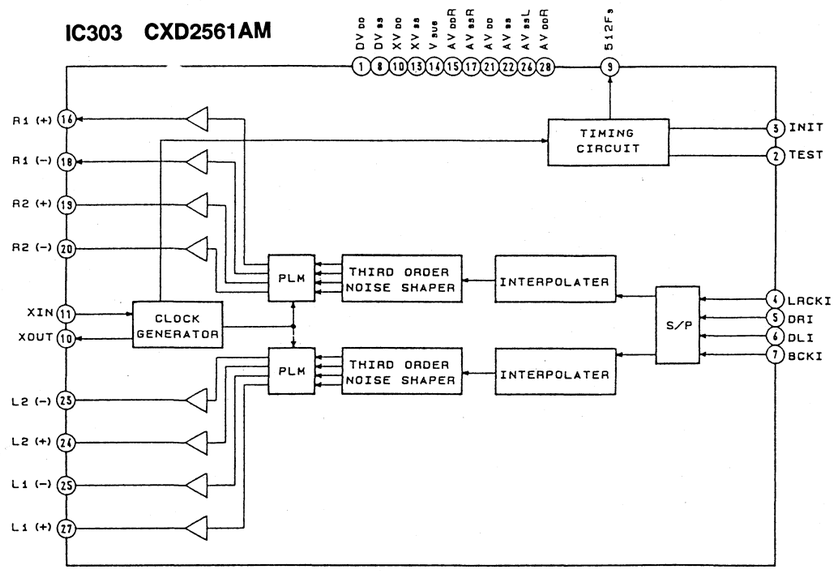
IC471 BA6208



IC302 CXD2560M



IC303 CXD2561AM


DV DD DV SS XV DD XV SS V BUS AV DDR AV SSR AV DD AV SS AV SSL AV DDR 512Fs
R1 (+) R1 (-) R2 (+) R2 (-) XIN XOUT L2 (-) L2 (+) L1 (-) L1 (+)
TIMING CIRCUIT
INIT TEST
PLM
THIRD ORDER NOISE SHAPER
INTERPOLATER
CLOCK GENERATOR
S/P
LRCKI DRI DLI BCKI

SECTION 5
EXPLODED VIEWS

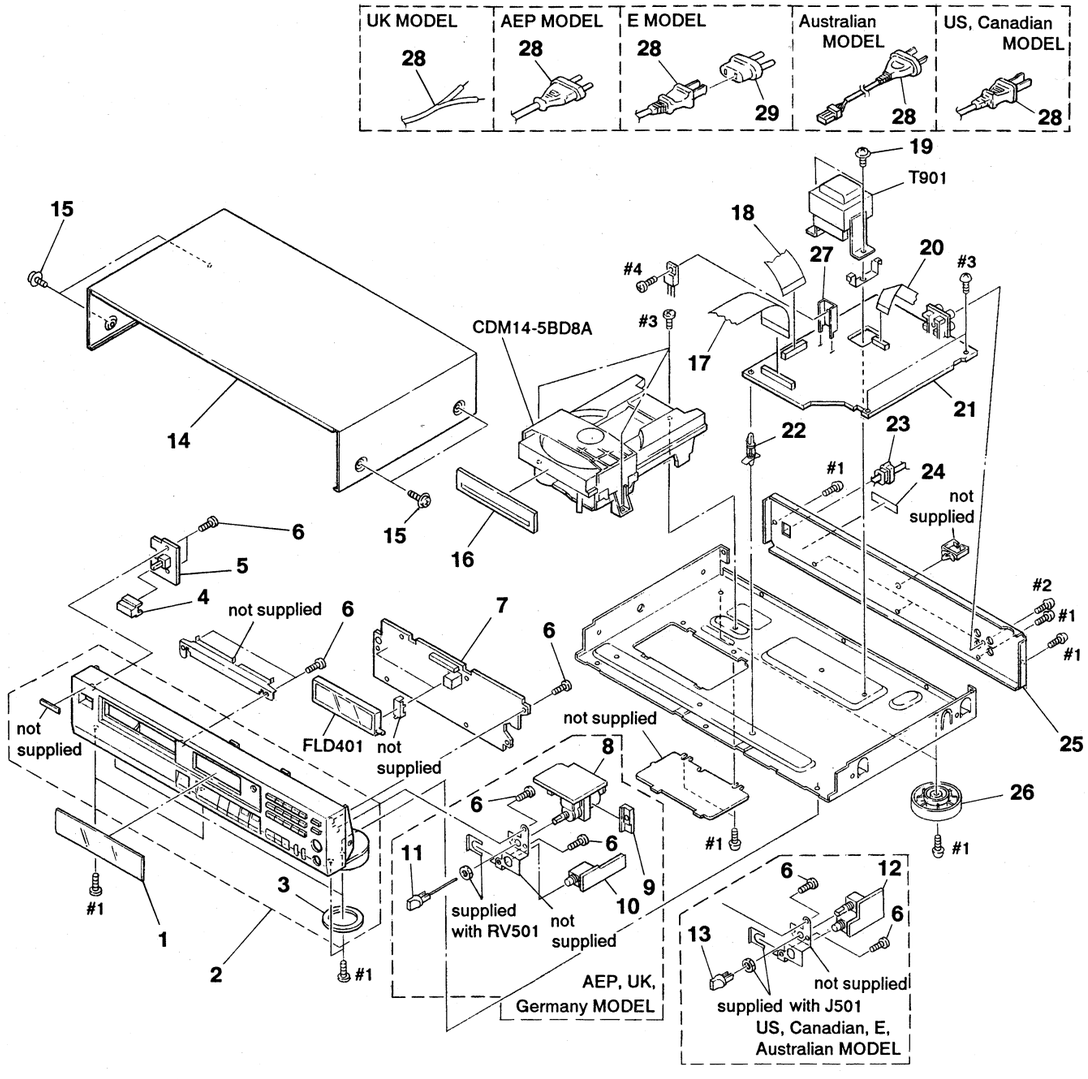
Note:

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) ... (RED)
  ↑ Parts color ↑ Cabinet's color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.
- G: Germany MODEL

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

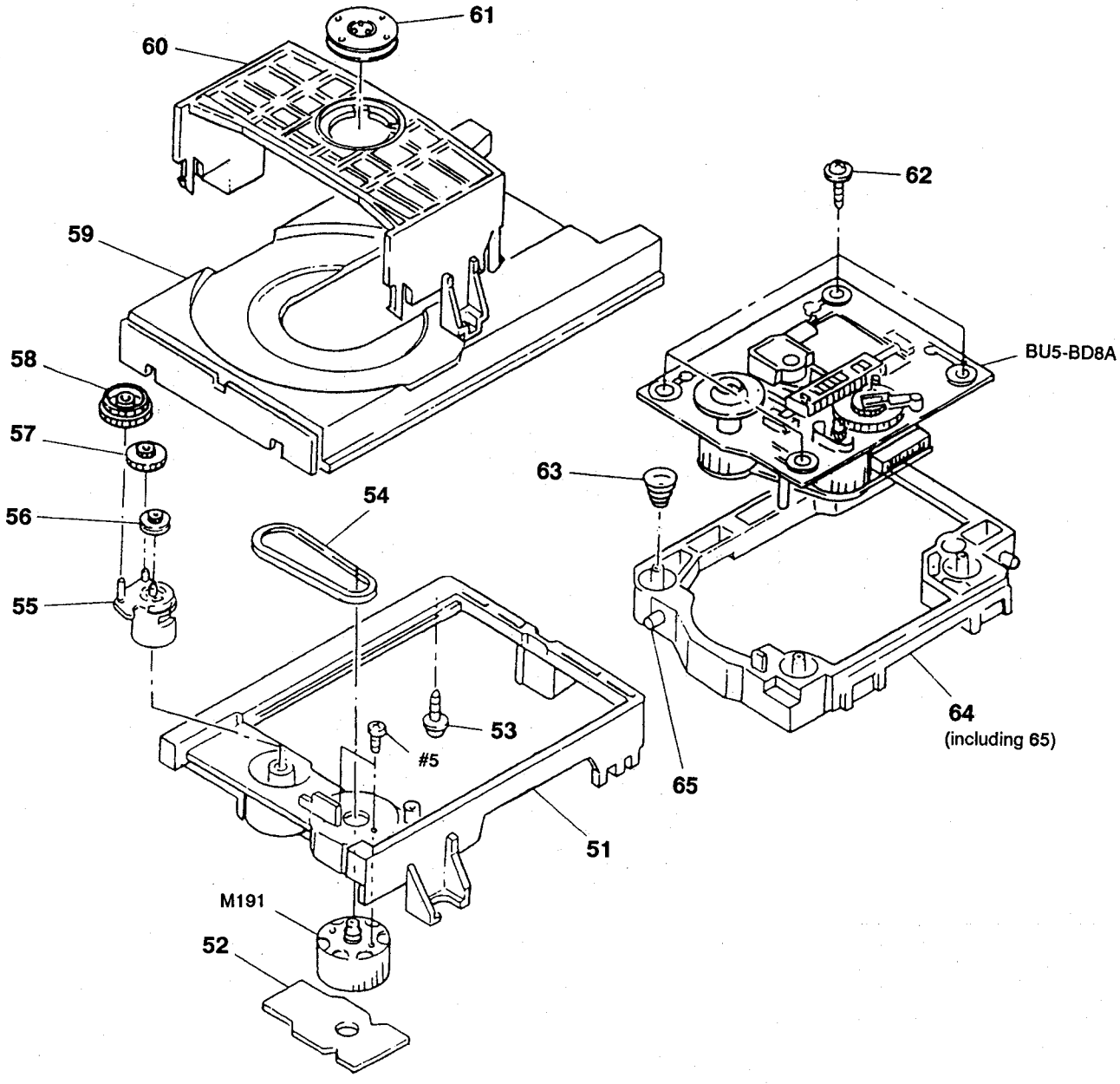
5-1. CABINET SECTION



Ref. No	Part No.	Description	Remark
1	4-947-030-01	PLATE, INDICATION	
2	X-4941-873-3	PANEL ASSY, FRONT (MADE IN FRANCE)	
2	X-4942-176-2	PANEL ASSY, FRONT (E)	
2	X-4942-195-2	PANEL ASSY, FRONT (US, Canadian, Australian)	
2	X-4942-196-2	PANEL ASSY, FRONT (MADE IN JAPAN:AEP)	
3	4-923-836-11	CUSHION (EXCEPT E)	
* 3	4-925-389-01	CUSHION (E)	
4	4-947-034-03	BUTTON (POWER)	
* 5	1-642-112-11	POWER SW BOARD	
6	4-928-635-01	SCREW, +BV (2.6X8) TAPPING	
* 7	A-4617-974-A	DISPLAY BOARD, COMPLETE (US, Canadian, E, Australian)	
* 7	A-4649-179-A	DISPLAY BOARD, COMPLETE (MADE IN JAPAN:AEP)	
* 7	A-4617-988-A	DISPLAY BOARD, COMPLETE (MADE IN FRANCE)	
* 8	1-642-113-11	MOTOR VOL BOARD (AEP, G, UK)	
* 9	4-922-980-01	HOLDER (LED) (AEP, G, UK)	
* 10	1-642-114-11	HP BOARD (AEP, G, UK)	
11	A-4604-897-A	KNOB (VOL) ASSY (MADE IN JAPAN:AEP)	
11	A-4604-928-A	KNOB (VOL) ASSY (MADE IN FRANCE)	
* 12	1-642-111-11	VOL BOARD (US, Canadian, E, Australian)	
13	4-950-189-01	KNOB (A) (VOL) (US, Canadian, E, Australian)	
14	4-929-035-31	CASE	
15	3-363-099-01	SCREW (CASE +3X8 TP2) (MADE IN FRANCE)	
15	3-704-366-01	SCREW (CASE) (M3X8) (MADE IN JAPAN)	
16	4-947-031-01	PANEL, LOADING (MADE IN JAPAN)	
16	4-947-031-11	PANEL, LOADING (MADE IN FRANCE)	
17	1-690-584-11	WIRE, FLAT TYPE (29 CORE) (MADE IN JAPAN)	
17	1-690-584-31	WIRE, FLAT TYPE (29 CORE) (MADE IN FRANCE)	
18	1-575-002-11	WIRE, FLAT TYPE (22 CORE)	
19	4-886-821-11	SCREW, S TIGHT, +PTTWH 3X6	
20	1-690-392-11	WIRE, FLAT TYPE (13 CORE) (AEP, G, UK)	

Ref. No	Part No.	Description	Remark
* 21	A-4617-976-A	MAIN BOARD, COMPLETE (US, Canadian, Australian)	
* 21	A-4617-990-A	MAIN BOARD, COMPLETE (MADE IN FRANCE)	
* 21	A-4649-172-A	MAIN BOARD, COMPLETE (E)	
* 21	A-4649-182-A	MAIN BOARD, COMPLETE (MADE IN JAPAN:AEP)	
* 22	4-924-098-01	HOLDER, PC BOARD	
* 23	3-703-244-00	BUSHING (2104), CORD (MADE IN JAPAN:US, Canadian, AEP, Australian)	
* 23	3-703-571-11	BUSHING (S) (4516), CORD (E)	
23	4-946-787-01	BUSHING, CORD (MADE IN FRANCE)	
* 24	4-941-548-01	LABEL, CLASS 1 (EXCEPT US, Canadian, Australian)	
* 25	4-947-033-12	PANEL, BACK (MADE IN JAPAN:AEP)	
* 25	4-947-033-32	PANEL, BACK (E)	
* 25	4-947-033-42	PANEL, BACK (MADE IN FRANCE)	
* 25	4-947-033-52	PANEL, BACK (US)	
* 25	4-947-033-61	PANEL, BACK (Canadian)	
* 25	4-947-033-22	PANEL, BACK (Australian)	
26	4-943-148-32	FOOT (F58175SW) (US, Canadian, Australan)	
27	4-902-345-01	HEAT SINK	
28	1-574-127-31	CORD, POWER (MADE IN FRANCE:AEP, G)	
⚠28	1-574-390-31	CORD, POWER (UK)	
⚠28	1-575-651-21	CORD, POWER (MADE IN JAPAN:AEP)	
⚠28	1-575-653-21	CORD, POWER (E)	
⚠28	1-590-836-11	CORD, POWER (US, Canadian)	
⚠28	1-574-358-31	CORD, POWER (WITH CONNECTOR) (Australian)	
⚠29	1-569-007-11	ADAPTER, CONVERSION 2P (E)	
⚠T901	1-449-921-11	TRANSFORMER, POWER (US, Canadian)	
⚠T901	1-449-922-11	TRANSFORMER, POWER (MADE IN JAPAN:AEP, Australian)	
⚠T901	1-449-923-11	TRANSFORMER, POWER (E)	
⚠T901	1-449-925-11	TRANSFORMER, POWER (MADE IN FRANCE)	
FLD401	1-519-681-11	INDICATOR TUBE, FLUORESCENT	

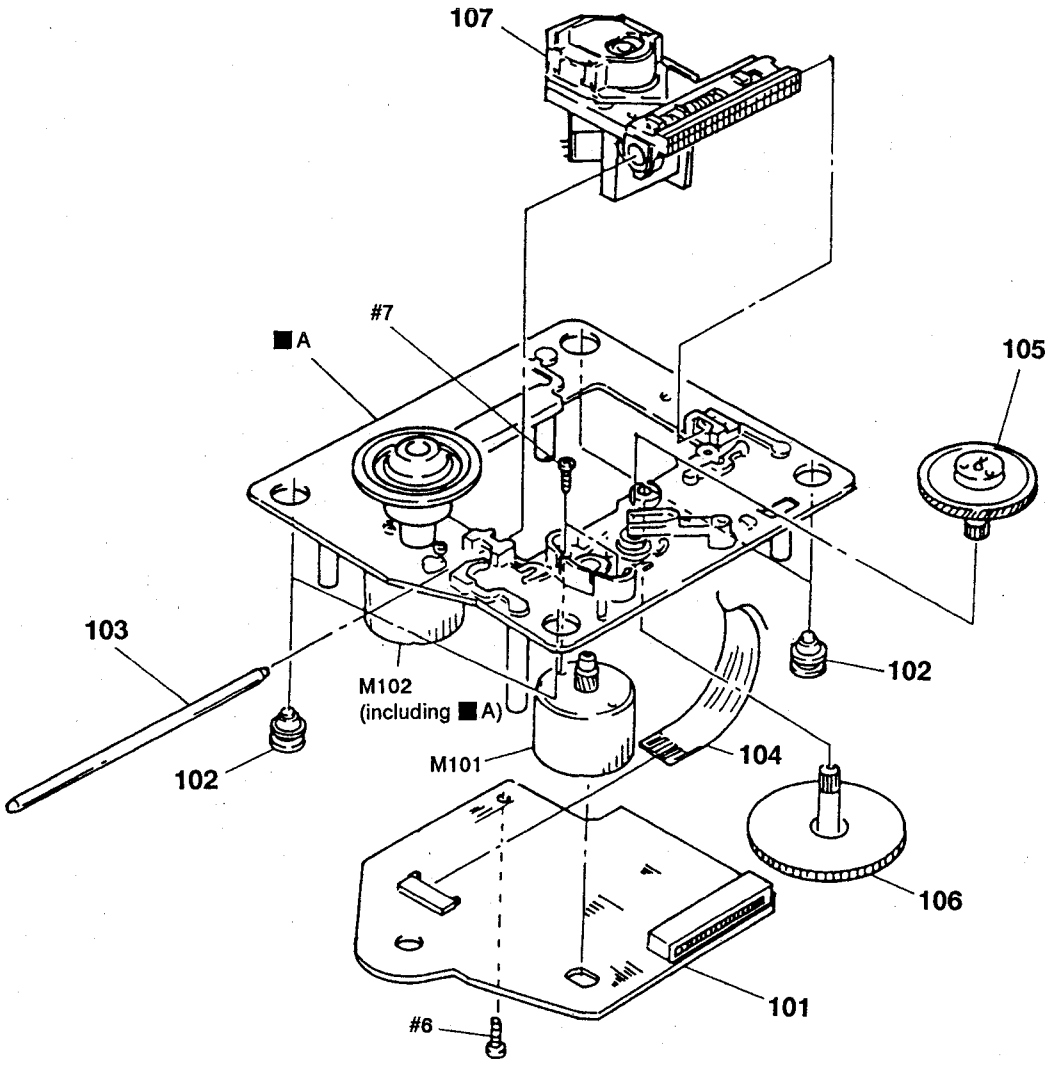
5-2. MD SECTION (CDM14-5BD8A)



Ref. No	Part No.	Description	Remark
51	4-933-111-04	CHASSIS (MD) (MADE IN JAPAN)	
51	4-933-111-11	CHASSIS (MD) (MADE IN FRANCE)	
* 52	1-632-202-11	LOADING BOARD	
* 53	4-917-583-21	BRACKET, YOKE	
54	4-927-649-01	BELT	
55	4-933-109-02	CAM	
56	4-927-651-01	PULLEY (S)	
57	4-927-628-02	GEAR (C)	
58	4-933-107-02	GEAR (PL)	
59	4-933-112-02	TABLE, DISK (MADE IN JAPAN)	
59	4-933-112-11	TABLE, DISK (MADE IN FRANCE)	

Ref. No	Part No.	Description	Remark
60	4-933-110-02	HOLDER (MG) (MADE IN JAPAN)	
60	4-933-110-11	HOLDER (MG) (MADE IN FRANCE)	
* 61	1-452-538-11	MAGNET	
62	4-933-134-01	SCREW (+PTPWH M2.6X6)	
63	4-917-541-01	SPRING (B) (MADE IN FRANCE)	
63	4-948-503-01	SPRING (BU), COMPRESSION (MADE IN JAPAN)	
64	4-933-129-04	HOLDER (BU) (MADE IN JAPAN)	
64	4-933-129-12	HOLDER (BU) (MADE IN FRANCE)	
65	4-933-108-01	SHAFT (CAM)	
M191	A-4604-363-A	MOTOR (L) ASSY (LOADING)	

5-3. PIC-UP BLOCK (BU5BD8A)



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.

Ref.No	Part No.	Description	Remark
* 101	A-4617-977-A	BD BOARD, COMPLETE (MADE IN JAPAN)	
* 101	A-4617-986-A	BD BOARD, COMPLETE (MADE IN FRANCE)	
102	4-933-126-01	INSULATOR (A)	
103	4-917-565-01	SHAFT, SLED	
104	1-575-001-11	WIRE, FLAT TYPE (12 CORE)	
105	4-917-567-02	GEAR (M)	
106	4-917-564-03	GEAR (P), FLATNESS	
⚠107	8-848-144-01	DEVICE, OPTICAL KSS-240A	(MADE IN JAPAN)
⚠107	8-848-144-51	DEVICE, OPTICAL KSS-240A	(MADE IN FRANCE)
M101	X-4917-504-1	MOTOR ASSY (SLED)	
M102	X-4917-523-3	MOTOR ASSY (SPINDLE)	

SECTION 6
ELECTRICAL PARTS LIST

BD **DISPLAY**

Note:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- G: Germany MODEL
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA...: μA..., uPA...: μPA...,
  uPB...: μPB..., uPC...: μPC...,
  uPD...: μPD...
- CAPACITORS
  uF: μF
- COILS
  uH: μH
- Hardware (# mark) list is given in the last of this parts list.

Ref.No	Part No.	Description			Remark
*	A-4617-977-A	BD BOARD, COMPLETE (MADE IN JAPAN)			
*	A-4617-986-A	BD BOARD, COMPLETE (MADE IN FRANCE)			
		**********			
		< CAPACITOR >			
C101	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C102	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C103	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C104	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C105	1-135-155-21	TANTALUM CHIP	4.7uF	10%	16V
C106	1-164-346-11	CERAMIC CHIP	1uF		16V
C107	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C108	1-164-346-11	CERAMIC CHIP	1uF		16V
C112	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C151	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C152	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C153	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C154	1-164-336-11	CERAMIC CHIP	0.33uF		25V
C155	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C156	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C157	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C158	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C159	1-163-023-00	CERAMIC CHIP	0.015uF	5%	50V
C160	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C181	1-163-038-00	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
CN101	1-568-796-11	SOCKET, CONNECTOR 22P			
CN102	1-568-795-11	SOCKET, CONNECTOR 12P			
CN103	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P			
		< IC >			
IC101	8-752-344-48	IC CXD2501Q			
IC102	8-759-040-80	IC BA6297FP-T1			
IC103	8-759-040-83	IC BA6287F-T1			
		< RESISTOR >			
R101	1-216-077-00	METAL CHIP	15K	5%	1/10W
R102	1-216-097-00	METAL CHIP	100K	5%	1/10W
R103	1-216-077-00	METAL CHIP	15K	5%	1/10W
R104	1-216-085-00	METAL CHIP	33K	5%	1/10W
R105	1-216-097-00	METAL CHIP	100K	5%	1/10W
R112	1-216-049-00	METAL CHIP	1K	5%	1/10W
R113	1-216-077-00	METAL CHIP	15K	5%	1/10W
R114	1-216-077-00	METAL CHIP	15K	5%	1/10W
R117	1-216-077-00	METAL CHIP	15K	5%	1/10W
R118	1-216-077-00	METAL CHIP	15K	5%	1/10W
R121	1-216-077-00	METAL CHIP	15K	5%	1/10W
R122	1-216-077-00	METAL CHIP	15K	5%	1/10W
R151	1-216-070-00	METAL CHIP	7.5K	5%	1/10W
R152	1-216-070-00	METAL CHIP	7.5K	5%	1/10W
R153	1-216-070-00	METAL CHIP	7.5K	5%	1/10W
R154	1-216-070-00	METAL CHIP	7.5K	5%	1/10W
R155	1-216-070-00	METAL CHIP	7.5K	5%	1/10W
R156	1-216-070-00	METAL CHIP	7.5K	5%	1/10W
R157	1-216-085-00	METAL CHIP	33K	5%	1/10W
R158	1-216-076-00	METAL CHIP	13K	5%	1/10W
R159	1-216-085-00	METAL CHIP	33K	5%	1/10W
R160	1-216-081-00	METAL CHIP	22K	5%	1/10W
R161	1-216-093-00	METAL CHIP	68K	5%	1/10W
R162	1-216-085-00	METAL CHIP	33K	5%	1/10W
R163	1-216-308-00	METAL CHIP	4.7	5%	1/10W
R181	1-216-021-00	METAL CHIP	68	5%	1/10W
R182	1-216-021-00	METAL CHIP	68	5%	1/10W
		< SWITCH >			
S101	1-572-085-11	SWITCH, LEAF (LIMIT)			
		**********			
*	A-4617-974-A	DISPLAY BOARD, COMPLETE (US, Canadian, E, Australian)			
*	A-4649-179-A	DISPLAY BOARD, COMPLETE (MADE IN JAPAN:AEP)			
	A-4617-988-A	DISPLAY BOARD, COMPLETE (MADE IN FRANCE)			
		**********			
		< CAPACITOR >			
C401	1-164-159-11	CERAMIC	0.1uF		50V
C402	1-164-159-11	CERAMIC	0.1uF		50V
C403	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
* CN401	1-568-844-11	SOCKET, CONNECTOR 29P			
		< DIODE >			
D401	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)			
D401	8-719-987-06	DIODE WG713A (MADE IN FRANCE)			

DISPLAY LOADING

Ref. No	Part No.	Description	Remark
D402	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D402	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D403	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D403	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D404	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D404	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D405	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D405	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D406	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D406	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D407	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D407	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D408	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D408	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D409	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D409	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D410	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D410	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D411	8-719-987-63	DIODE 1N4148M (MADE IN JAPAN)	
D411	8-719-987-06	DIODE WG713A (MADE IN FRANCE)	
D412	8-719-121-24	DIODE RD9.1ES-L (MADE IN JAPAN)	
D412	8-719-921-69	DIODE MTZJ-T-77-9.1 (MADE IN FRANCE)	
		< FLUORESCENT INDICATOR >	
FLD401	1-519-681-11	INDICATOR TUBE, FLUORESCENT	
		< IC >	
IC401	8-759-061-40	IC uPD75216ACW-C73	
IC402	8-749-920-83	IC GP1U52XB	
		< RESISTOR >	
R401	1-249-435-11	CARBON 33K 5% 1/4W	
R402	1-249-435-11	CARBON 33K 5% 1/4W	
R403	1-249-435-11	CARBON 33K 5% 1/4W	
R404	1-249-435-11	CARBON 33K 5% 1/4W	
R405	1-249-435-11	CARBON 33K 5% 1/4W	
R406	1-249-425-11	CARBON 4.7K 5% 1/4W	
R407	1-249-425-11	CARBON 4.7K 5% 1/4W	
R408	1-249-439-11	CARBON 68K 5% 1/4W	
		< SWITCH >	
S401	1-554-303-21	SWITCH, TACTILE (1)	
S402	1-554-303-21	SWITCH, TACTILE (2)	
S403	1-554-303-21	SWITCH, TACTILE (3)	
S404	1-554-303-21	SWITCH, TACTILE (4)	
S405	1-554-303-21	SWITCH, TACTILE (5)	
S406	1-554-303-21	SWITCH, TACTILE (6)	
S407	1-554-303-21	SWITCH, TACTILE (7)	
S408	1-554-303-21	SWITCH, TACTILE (8)	
S409	1-554-303-21	SWITCH, TACTILE (9)	
S410	1-554-303-21	SWITCH, TACTILE (10)	
S411	1-554-303-21	SWITCH, TACTILE (11)	
S412	1-554-303-21	SWITCH, TACTILE (12)	
S413	1-554-303-21	SWITCH, TACTILE (CHECK)	
S414	1-554-303-21	SWITCH, TACTILE (CLEAR)	
S415	1-554-303-21	SWITCH, TACTILE (>12)	
S416	1-554-303-21	SWITCH, TACTILE (EDIT/TIME FADE)	
S417	1-554-303-21	SWITCH, TACTILE (TIME SET)	
S418	1-554-303-21	SWITCH, TACTILE (CONTINUE)	
S419	1-554-303-21	SWITCH, TACTILE (SHUFFLE)	
S420	1-554-303-21	SWITCH, TACTILE (PROGRAM)	
S421	1-554-303-21	SWITCH, TACTILE (AUTO SPACE/AUTO CUE)	
S422	1-554-303-21	SWITCH, TACTILE (TIME)	
S423	1-554-303-21	SWITCH, TACTILE (REPEAT)	
S424	1-554-303-21	SWITCH, TACTILE (FADER)	
S425	1-554-303-21	SWITCH, TACTILE (MUSIC SCAN)	
S426	1-554-303-21	SWITCH, TACTILE (PEAK SEARCH)	
S427	1-554-303-21	SWITCH, TACTILE (⏏ OPEN/CLOSE)	
S428	1-554-303-21	SWITCH, TACTILE (▷)	
S429	1-554-303-21	SWITCH, TACTILE (❚❚)	
S430	1-554-303-21	SWITCH, TACTILE (■)	
S431	1-554-303-21	SWITCH, TACTILE (◀◀)	
S432	1-554-303-21	SWITCH, TACTILE (▶▶)	
S433	1-554-303-21	SWITCH, TACTILE (⏮)	
S434	1-554-303-21	SWITCH, TACTILE (⏭)	
		< VIBRATOR >	
X401	1-577-082-11	VIBRATOR, CERAMIC (MADE IN JAPAN:US, Canadian, E, Australian, MADE IN FRANCE)	
X401	1-577-358-21	VIBRATOR, CERAMIC (4MHZ) (MADE IN JAPAN:AEP)	
*	1-632-202-11	LOADING BOARD **********	
		< CONNECTOR >	
* CN301	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P	
		< SWITCH >	
S271	1-572-086-11	SWITCH, LEAF (LOAD OUT)	
S272	1-572-086-11	SWITCH, LEAF (LOAD IN)	

When indicating parts by reference number, please include the board name.

MAIN

Ref.No	Part No.	Description			Remark
*	A-4617-976-A	MAIN BOARD, COMPLETE (US, Canadian, Australian)			
*	A-4649-182-A	MAIN BOARD, COMPLETE (MADE IN JAPAN:AEP)			
*	A-4649-172-A	MAIN BOARD, COMPLETE (E)			
*	A-4617-990-A	MAIN BOARD, COMPLETE (MADE IN FRANCE)			
		**********			
	1-571-722-11	SWITCH, VOLTAGE SELECTION (E)			
	4-902-345-01	HEAT SINK			
	7-682-547-09	SCREW +B 3X6			
		< CAPACITOR >			
C201	1-124-572-11	ELECT	100uF	20%	63V
C202	1-126-059-11	ELECT	10uF	20%	50V (MADE IN JAPAN)
C202	1-124-907-11	ELECT	10uF	20%	50V (MADE IN FRANCE)
C203	1-124-360-00	ELECT	1000uF	20%	16V
C204	1-126-937-11	ELECT	4700uF	20%	16V (MADE IN JAPAN)
C204	1-124-898-11	ELECT	4700uF	20%	16V (MADE IN FRANCE)
C205	1-126-163-11	ELECT	4.7uF	20%	50V (MADE IN JAPAN)
C205	1-124-927-11	ELECT	4.7uF	20%	100V (MADE IN FRANCE)
C206	1-126-059-11	ELECT	10uF	20%	50V (MADE IN JAPAN)
C206	1-124-907-11	ELECT	10uF	20%	50V (MADE IN FRANCE)
C207	1-126-059-11	ELECT	10uF	20%	50V (MADE IN JAPAN)
C207	1-124-907-11	ELECT	10uF	20%	50V (MADE IN FRANCE)
C208	1-124-997-11	ELECT	470uF	20%	10V (MADE IN JAPAN)
C208	1-124-472-11	ELECT	470uF	20%	10V (MADE IN FRANCE)
C209	1-124-997-11	ELECT	470uF	20%	10V (MADE IN JAPAN)
C209	1-124-472-11	ELECT	470uF	20%	10V (MADE IN FRANCE)
C211	1-124-997-11	ELECT	470uF	20%	10V (MADE IN JAPAN)
C211	1-124-472-11	ELECT	470uF	20%	10V (MADE IN FRANCE)
C212	1-124-997-11	ELECT	470uF	20%	10V (MADE IN JAPAN)
C212	1-124-472-11	ELECT	470uF	20%	10V (MADE IN FRANCE)
C213	1-130-487-00	MYLAR	0.022uF	5%	50V
C214	1-126-023-11	ELECT	100uF	20%	16V (MADE IN JAPAN)

Ref.No	Part No.	Description			Remark
C214	1-126-101-11	ELECT	100uF	20%	16V (MADE IN FRANCE)
C221	1-164-159-11	CERAMIC	0.1uF		50V
C301	1-126-022-11	ELECT	47uF	20%	16V (MADE IN JAPAN)
C301	1-124-477-11	ELECT	47uF	20%	25V (MADE IN FRANCE)
C302	1-126-301-11	ELECT	1uF	20%	50V (MADE IN JAPAN)
C302	1-124-903-11	ELECT	1uF	20%	50V (MADE IN FRANCE)
C303	1-164-159-11	CERAMIC	0.1uF		50V
C304	1-164-159-11	CERAMIC	0.1uF		50V
C305	1-126-022-11	ELECT	47uF	20%	16V (MADE IN JAPAN)
C305	1-124-477-11	ELECT	47uF	20%	25V (MADE IN FRANCE)
C306	1-164-159-11	CERAMIC	0.1uF		50V
C307	1-164-159-11	CERAMIC	0.1uF		50V
C308	1-164-159-11	CERAMIC	0.1uF		50V
C309	1-164-159-11	CERAMIC	0.1uF		50V
C311	1-130-491-00	MYLAR	0.047uF	5%	50V
C312	1-161-374-11	CERAMIC	0.0015uF	20%	50V
C313	1-161-494-00	CERAMIC	0.022uF		25V
C314	1-162-306-11	CERAMIC	0.01uF	20%	16V
C315	1-126-300-11	ELECT	0.47uF	20%	50V (MADE IN JAPAN)
C315	1-124-902-00	ELECT	0.47uF	20%	50V (MADE IN FRANCE)
C316	1-161-494-00	CERAMIC	0.022uF		25V
C317	1-164-159-11	CERAMIC	0.1uF		50V
C319	1-162-282-31	CERAMIC	100PF	10%	50V
C320	1-130-483-00	MYLAR	0.01uF	5%	50V
C321	1-162-208-31	CERAMIC	24PF	5%	50V
C322	1-126-022-11	ELECT	47uF	20%	16V (MADE IN JAPAN)
C322	1-124-477-11	ELECT	47uF	20%	25V (MADE IN FRANCE)
C323	1-164-159-11	CERAMIC	0.1uF		50V
C324	1-164-159-11	CERAMIC	0.1uF		50V
C325	1-162-205-31	CERAMIC	18PF	5%	50V
C326	1-162-205-31	CERAMIC	18PF	5%	50V
C327	1-161-494-00	CERAMIC	0.022uF		25V
C328	1-126-059-11	ELECT	10uF	20%	50V (MADE IN JAPAN)
C328	1-124-907-11	ELECT	10uF	20%	50V (MADE IN FRANCE)
C329	1-126-022-11	ELECT	47uF	20%	16V (MADE IN JAPAN)
C329	1-124-477-11	ELECT	47uF	20%	25V (MADE IN FRANCE)
C331	1-161-494-00	CERAMIC	0.022uF		25V

When indicating parts by reference number, please include the board name.

MAIN

Ref. No	Part No.	Description			Remark
C332	1-164-159-11	CERAMIC	0.1uF		50V
C333	1-162-294-31	CERAMIC	0.001uF	10%	50V
C351	1-126-022-11	ELECT	47uF	20%	16V (MADE IN JAPAN)
C351	1-124-477-11	ELECT	47uF	20%	25V (MADE IN FRANCE)
C352	1-164-159-11	CERAMIC	0.1uF		50V
C353	1-126-022-11	ELECT	47uF	20%	16V (MADE IN JAPAN)
C353	1-124-477-11	ELECT	47uF	20%	25V (MADE IN FRANCE)
C354	1-161-494-00	CERAMIC	0.022uF		25V
C355	1-126-022-11	ELECT	47uF	20%	16V (MADE IN JAPAN)
C355	1-124-477-11	ELECT	47uF	20%	25V (MADE IN FRANCE)
C356	1-164-159-11	CERAMIC	0.1uF		50V
C357	1-130-495-00	MYLAR	0.1uF	5%	50V
C358	1-130-495-00	MYLAR	0.1uF	5%	50V
C361	1-162-289-31	CERAMIC	390PF	10%	50V
C362	1-162-289-31	CERAMIC	390PF	10%	50V
C363	1-162-285-31	CERAMIC	180PF	10%	50V
C364	1-162-285-31	CERAMIC	180PF	10%	50V
C365	1-162-285-31	CERAMIC	180PF	10%	50V
C366	1-162-285-31	CERAMIC	180PF	10%	50V
C367	1-161-494-00	CERAMIC	0.022uF		25V
C368	1-161-494-00	CERAMIC	0.022uF		25V
C371	1-130-479-00	MYLAR	0.0047uF	5%	50V
C372	1-130-479-00	MYLAR	0.0047uF	5%	50V
C373	1-130-472-00	MYLAR	0.0012uF	5%	50V
C374	1-130-472-00	MYLAR	0.0012uF	5%	50V
C377	1-126-022-11	ELECT	47uF	20%	16V (MADE IN JAPAN)
C377	1-124-477-11	ELECT	47uF	20%	25V (MADE IN FRANCE)
C378	1-126-022-11	ELECT	47uF	20%	16V (MADE IN JAPAN)
C378	1-124-477-11	ELECT	47uF	20%	25V (MADE IN FRANCE)
C379	1-130-473-00	MYLAR	0.0015uF	5%	50V
C380	1-130-473-00	MYLAR	0.0015uF	5%	50V
C392	1-164-159-11	CERAMIC	0.1uF		50V (US)
C395	1-164-159-11	CERAMIC	0.1uF		50V (US)
C396	1-164-159-11	CERAMIC	0.1uF		50V (US)

< CONNECTOR >

* CN201	1-580-230-11	PIN, CONNECTOR (PC BOARD) 3P	
* CN301	1-568-822-11	SOCKET, CONNECTOR 22P	
* CN302	1-568-844-11	SOCKET, CONNECTOR 29P	
* CN381	1-568-832-11	SOCKET, CONNECTOR 13P (AEP, G, UK)	
* CN382	1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P (US, Canadian, E, Australian)	

< DIODE >

D201	8-719-200-82	DIODE 11ES2	
D202	8-719-110-03	DIODE RD7.5ES-B2	(MADE IN JAPAN)
D202	8-719-923-49	DIODE MTZJ-T-77-7.5	(MADE IN FRANCE)
D203	8-719-200-82	DIODE 11ES2	
D204	8-719-200-82	DIODE 11ES2	
D205	8-719-200-82	DIODE 11ES2	
D206	8-719-200-82	DIODE 11ES2	
D208	8-719-109-89	DIODE RD5.6ES-B2	
D209	8-719-987-63	DIODE 1N4148M	(MADE IN JAPAN)
D209	8-719-987-06	DIODE WG713A	(MADE IN FRANCE)
D328	8-719-987-63	DIODE 1N4148M	(MADE IN JAPAN)
D328	8-719-987-06	DIODE WG713A	(MADE IN FRANCE)
D344	8-719-987-63	DIODE 1N4148M	(MADE IN JAPAN)
D344	8-719-987-06	DIODE WG713A	(MADE IN FRANCE)

< IC >

IC201	8-759-633-42	IC M5293L
IC202	8-759-630-21	IC M5290P-16
IC203	8-759-945-58	IC RC4558P
IC204	8-759-604-86	IC M5F7807
IC301	8-752-337-26	IC CXD2500AQ
IC302	8-752-342-65	IC CXD2560M
IC303	8-752-349-01	IC CXD2561AM
IC306	8-759-503-91	IC TL082ACP
IC307	8-759-945-58	IC RC4558P

< JACK >

J381	1-569-442-11	JACK, PIN 2P (LINE OUT)	(US, Canadian, E, Australian)
* J381	1-569-443-11	JACK, PIN 4P (LINE OUT) (AEP, G, UK)	

< COIL >

L306	1-408-403-00	INDUCTOR	3.3uH
L321	1-408-403-00	INDUCTOR	3.3uH
L322	1-408-403-00	INDUCTOR	3.3uH (US)

< TRANSISTOR >

Q201	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q202	8-729-140-96	TRANSISTOR 2SD774-34
Q203	8-729-141-83	TRANSISTOR 2SB1094-LK
Q204	8-729-900-65	TRANSISTOR DTA144ES
Q205	8-729-900-89	TRANSISTOR DTC144ES
Q206	8-729-900-89	TRANSISTOR DTC144ES
Q209	8-729-281-52	TRANSISTOR 2SC1815-Y
Q341	8-729-900-65	TRANSISTOR DTA144ES
Q342	8-729-900-65	TRANSISTOR DTA144ES

When indicating parts by reference number, please include the board name.

Ref. No	Part No.	Description				Remark
Q343	8-729-900-65	TRANSISTOR DTA144ES				
Q344	8-729-900-89	TRANSISTOR DTC144ES				
Q371	8-729-141-30	TRANSISTOR 2SC3623A-LK				
Q372	8-729-141-30	TRANSISTOR 2SC3623A-LK				
Q373	8-729-141-30	TRANSISTOR 2SC3623A-LK				
Q374	8-729-141-30	TRANSISTOR 2SC3623A-LK				
Q375	8-729-231-55	TRANSISTOR 2SC2878-AB				
Q376	8-729-231-55	TRANSISTOR 2SC2878-AB				
		< RESISTOR >				
R201	1-249-435-11	CARBON	33K	5%	1/4W	
R202	1-249-438-11	CARBON	56K	5%	1/4W	
R203	1-249-429-11	CARBON	10K	5%	1/4W	
R204	1-249-425-11	CARBON	4.7K	5%	1/4W	
R205	1-249-425-11	CARBON	4.7K	5%	1/4W	
R208	1-249-423-11	CARBON	3.3K	5%	1/4W	
R209	1-249-413-11	CARBON	470	5%	1/4W	
R210	1-249-429-11	CARBON	10K	5%	1/4W	
R211	1-249-410-11	CARBON	270	5%	1/4W	
R213	1-249-417-11	CARBON	1K	5%	1/4W	
R214	1-249-417-11	CARBON	1K	5%	1/4W	
R301	1-249-417-11	CARBON	1K	5%	1/4W	
R302	1-249-417-11	CARBON	1K	5%	1/4W	
R303	1-249-421-11	CARBON	2.2K	5%	1/4W	
R304	1-249-417-11	CARBON	1K	5%	1/4W	
R306	1-249-413-11	CARBON	470	5%	1/4W	
R309	1-249-405-11	CARBON	100	5%	1/4W	
R311	1-249-423-11	CARBON	3.3K	5%	1/4W	
R312	1-249-429-11	CARBON	10K	5%	1/4W	
R313	1-249-423-11	CARBON	3.3K	5%	1/4W	
R314	1-249-429-11	CARBON	10K	5%	1/4W	
R315	1-249-417-11	CARBON	1K	5%	1/4W	
R316	1-249-417-11	CARBON	1K	5%	1/4W	
R317	1-249-419-11	CARBON	1.5K	5%	1/4W	
R318	1-249-441-11	CARBON	100K	5%	1/4W	
R319	1-247-903-00	CARBON	1M	5%	1/4W	
R320	1-249-417-11	CARBON	1K	5%	1/4W	
R321	1-249-417-11	CARBON	1K	5%	1/4W	
R322	1-249-417-11	CARBON	1K	5%	1/4W	
R323	1-249-417-11	CARBON	1K	5%	1/4W	
R324	1-249-417-11	CARBON	1K	5%	1/4W	
R325	1-249-417-11	CARBON	1K	5%	1/4W	
R326	1-249-417-11	CARBON	1K	5%	1/4W	
R327	1-247-903-00	CARBON	1M	5%	1/4W	
R328	1-249-429-11	CARBON	10K	5%	1/4W	
R331	1-249-429-11	CARBON	10K	5%	1/4W	
R332	1-249-429-11	CARBON	10K	5%	1/4W	
R333	1-249-429-11	CARBON	10K	5%	1/4W	
R334	1-249-429-11	CARBON	10K	5%	1/4W	
R343	1-249-441-11	CARBON	100K	5%	1/4W	

Ref. No	Part No.	Description				Remark
R344	1-249-441-11	CARBON	100K	5%	1/4W	
R345	1-249-425-11	CARBON	4.7K	5%	1/4W	
R346	1-249-425-11	CARBON	4.7K	5%	1/4W	
R347	1-249-441-11	CARBON	100K	5%	1/4W	
R348	1-249-429-11	CARBON	10K	5%	1/4W	
R351	1-249-428-11	CARBON	8.2K	5%	1/4W	
R352	1-249-428-11	CARBON	8.2K	5%	1/4W	
R353	1-249-428-11	CARBON	8.2K	5%	1/4W	
R354	1-249-428-11	CARBON	8.2K	5%	1/4W	
R355	1-249-428-11	CARBON	8.2K	5%	1/4W	
R356	1-249-428-11	CARBON	8.2K	5%	1/4W	
R357	1-249-428-11	CARBON	8.2K	5%	1/4W	
R358	1-249-428-11	CARBON	8.2K	5%	1/4W	
R361	1-249-423-11	CARBON	3.3K	5%	1/4W	
R362	1-249-423-11	CARBON	3.3K	5%	1/4W	
R363	1-249-423-11	CARBON	3.3K	5%	1/4W	
R364	1-249-423-11	CARBON	3.3K	5%	1/4W	
R365	1-249-430-11	CARBON	12K	5%	1/4W	
R366	1-249-430-11	CARBON	12K	5%	1/4W	
R367	1-249-430-11	CARBON	12K	5%	1/4W	
R368	1-249-430-11	CARBON	12K	5%	1/4W	
R369	1-249-419-11	CARBON	1.5K	5%	1/4W	
R370	1-249-419-11	CARBON	1.5K	5%	1/4W	
R371	1-249-419-11	CARBON	1.5K	5%	1/4W	
R372	1-249-419-11	CARBON	1.5K	5%	1/4W	
R373	1-247-887-00	CARBON	220K	5%	1/4W	
R374	1-247-887-00	CARBON	220K	5%	1/4W	
R375	1-249-409-11	CARBON	220	5%	1/4W	
R376	1-249-409-11	CARBON	220	5%	1/4W	
R377	1-249-409-11	CARBON	220	5%	1/4W	
R378	1-249-409-11	CARBON	220	5%	1/4W	
R379	1-249-425-11	CARBON	4.7K	5%	1/4W	
R380	1-249-425-11	CARBON	4.7K	5%	1/4W	
R381	1-249-425-11	CARBON	4.7K	5%	1/4W	
R382	1-249-425-11	CARBON	4.7K	5%	1/4W	
R383	1-249-413-11	CARBON	470	5%	1/4W	
R384	1-249-413-11	CARBON	470	5%	1/4W	
R385	1-249-393-11	CARBON	10	5%	1/4W	
R386	1-249-393-11	CARBON	10	5%	1/4W	
R389	1-249-413-11	CARBON	470	5%	1/4W	(AEP, G, UK)
R390	1-249-413-11	CARBON	470	5%	1/4W	(AEP, G, UK)
		< SWITCH >				
⚠S201	1-571-722-11	SWITCH, VOLTAGE SELECTION (E)				
		< VIBRATOR >				
X327	1-579-314-11	VIBRATOR, CRYSTAL (22.5MHZ)				

****

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.

When indicating parts by reference number, please include the board name.

POWER SW | VOL | HP | MOTOR VOL

Ref. No	Part No.	Description	Remark
*	1-642-112-11	POWER SW BOARD	
		**********	
		< CONNECTOR >	
CN491	1-506-469-11	CONNECTOR 4P, MALE	
		< SWITCH >	
S491	1-554-118-00	SWITCH, PUSH (1 KEY) (POWER)	
**********			
*	1-642-111-11	VOL BOARD (US, Canadian, E, Australian)	
		**********	
		< CAPACITOR >	
C510	1-124-994-11	ELECT 100uF 20% 10V	
		(US, Canadian, E, Australian)	
C511	1-162-290-31	CERAMIC 470PF 10% 50V	
		(US, Canadian, E, Australian)	
C520	1-124-994-11	ELECT 100uF 20% 10V	
		(US, Canadian, E, Australian)	
C521	1-162-290-31	CERAMIC 470PF 10% 50V	
		(US, Canadian, E, Australian)	
C530	1-164-159-11	CERAMIC 0.1uF 50V	
		(Canadian, E, Australian)	
		< CONNECTOR >	
* CN501	1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P	
		(US, Canadian, E, Australian)	
		< IC >	
IC501	8-759-981-89	IC RC4556S	
		(US, Canadian, E, Australian)	
		< JACK >	
J501	1-568-519-41	JACK, LARGE TYPE	
		(US, Canadian, E, Australian)	
		< COIL >	
L511	1-421-972-11	COIL, LINE FILTER (US)	
L521	1-421-972-11	COIL, LINE FILTER (US)	
L531	1-421-972-11	COIL, LINE FILTER	
		(Canadian, E, Australian)	
		< RESISTOR >	
R510	1-249-435-11	CARBON 33K 5% 1/4W	
		(US, Canadian, E, Australian)	
R511	1-249-431-11	CARBON 15K 5% 1/4W	
		(US, Canadian, E, Australian)	
R512	1-249-438-11	CARBON 56K 5% 1/4W	
		(US, Canadian, E, Australian)	
R513	1-249-402-11	CARBON 56 5% 1/4W	
		(US, Canadian, E, Australian)	

Ref. No	Part No.	Description	Remark
R514	1-249-399-11	CARBON 33 5% 1/4W	
		(US, Canadian, E, Australian)	
R515	1-249-432-11	CARBON 18K 5% 1/4W	
		(US, Canadian, E, Australian)	
R520	1-249-435-11	CARBON 33K 5% 1/4W	
		(US, Canadian, E, Australian)	
R521	1-249-431-11	CARBON 15K 5% 1/4W	
		(US, Canadian, E, Australian)	
R522	1-249-438-11	CARBON 56K 5% 1/4W	
		(US, Canadian, E, Australian)	
R523	1-249-402-11	CARBON 56 5% 1/4W	
		(US, Canadian, E, Australian)	
R524	1-249-399-11	CARBON 33 5% 1/4W	
		(US, Canadian, E, Australian)	
R525	1-249-432-11	CARBON 18K 5% 1/4W	
		(US, Canadian, E, Australian)	
		< VARIABLE RESISTOR >	
RV501	1-241-778-11	RES, VAR, CARBON 20K/20K (PHONE LEVEL)	
		(US, Canadian, E, Australian)	
**********			
*	1-642-114-11	HP BOARD (AEP, G, UK)	
		**********	
		< CAPACITOR >	
C481	1-162-290-31	CERAMIC 470PF 10% 50V	
		(AEP, G, UK)	
C482	1-162-290-31	CERAMIC 470PF 10% 50V	
		(AEP, G, UK)	
C483	1-164-159-11	CERAMIC 0.1uF 50V	
		(AEP, G, UK)	
		< CONNECTOR >	
CN481	1-506-468-11	CONNECTOR 3P, MALE (AEP, G, UK)	
		< JACK >	
J481	1-568-519-41	JACK, LARGE TYPE (AEP, G, UK)	
**********			
*	1-642-113-11	MOTOR VOL BOARD (AEP, G, UK)	
		**********	
*	4-922-980-01	HOLDER (LED) (AEP, G, UK)	
		< CAPACITOR >	
C451	1-124-994-11	ELECT 100uF 20% 10V	
		(MADE IN JAPAN:AEP)	
C451	1-124-443-00	ELECT 100uF 20% 10V	
		(MADE IN FRANCE)	
C452	1-124-994-11	ELECT 100uF 20% 10V	
		(MADE IN JAPAN:AEP)	

When indicating parts by reference number, please include the board name.

MOTOR VOL

Ref. No	Part No.	Description			Remark
C452	1-124-443-00	ELECT	100uF	20% 10V	(MADE IN FRANCE)
C471	1-124-994-11	ELECT	100uF	20% 10V	(MADE IN JAPAN:AEP)
C471	1-124-443-00	ELECT	100uF	20% 10V	(MADE IN FRANCE)
C472	1-124-277-11	ELECT	4.7uF	20% 35V	(AEP, G, UK)
		< CONNECTOR >			
* CN451	1-568-832-11	SOCKET, CONNECTOR 13P			(AEP, G, UK)
* CN472	1-568-941-11	PIN, CONNECTOR 3P			(AEP, G, UK)
		< DIODE >			
D471	8-719-970-49	DIODE BR4361F			(AEP, G, UK)
		< IC >			
IC451	8-759-981-89	IC RC4556S			(AEP, G, UK)
IC471	8-759-962-08	IC BA6208			(AEP, G, UK)
		< RESISTOR >			
R451	1-249-435-11	CARBON	33K	5% 1/4W	(AEP, G, UK)
R452	1-249-435-11	CARBON	33K	5% 1/4W	(AEP, G, UK)
R453	1-249-432-11	CARBON	18K	5% 1/4W	(AEP, G, UK)
R454	1-249-432-11	CARBON	18K	5% 1/4W	(AEP, G, UK)
R455	1-249-431-11	CARBON	15K	5% 1/4W	(AEP, G, UK)
R456	1-249-431-11	CARBON	15K	5% 1/4W	(AEP, G, UK)
R457	1-249-438-11	CARBON	56K	5% 1/4W	(AEP, G, UK)
R458	1-249-438-11	CARBON	56K	5% 1/4W	(AEP, G, UK)
R459	1-249-402-11	CARBON	56	5% 1/4W	(AEP, G, UK)
R460	1-249-402-11	CARBON	56	5% 1/4W	(AEP, G, UK)
R461	1-249-399-11	CARBON	33	5% 1/4W	(AEP, G, UK)
R462	1-249-399-11	CARBON	33	5% 1/4W	(AEP, G, UK)
R471	1-249-411-11	CARBON	330	5% 1/4W	(AEP, G, UK)
R472	1-249-417-11	CARBON	1K	5% 1/4W	(AEP, G, UK)
R473	1-249-417-11	CARBON	1K	5% 1/4W	(AEP, G, UK)

Ref. No	Part No.	Description	Remark
		< VARIABLE RESISTOR >	
RV451	1-241-343-11	RES, VAR, CARBON 10K/10K (LINE OUT, PHONE LEVEL)	(AEP, G, UK)
**********			
		MISCELLANEOUS	
		**********	
17	1-690-584-11	WIRE, FLAT TYPE (29 CORE)	(MADE IN JAPAN)
17	1-690-584-31	WIRE, FLAT TYPE (29 CORE)	(MADE IN FRANCE)
18	1-575-002-11	WIRE, FLAT TYPE (22 CORE)	
20	1-690-392-11	WIRE, FLAT TYPE (13 CORE)	(AEP, G, UK)
⚠ 28	1-574-127-31	CORD, POWER	(MADE IN FRANCE:AEP, G)
⚠ 28	1-574-358-31	CORD, POWER (WITH CONNECTOR)	(Australian)
⚠ 28	1-574-390-31	CORD, POWER	(MADE IN FRANCE:UK)
⚠ 28	1-575-651-21	CORD, POWER	(MADE IN JAPAN:AEP)
⚠ 28	1-575-653-21	CORD, POWER	(E)
⚠ 28	1-590-836-11	CORD, POWER	(US, Canadian)
29	1-569-007-11	ADAPTER, CONVERSION 2P	(E)
* 61	1-452-538-11	MAGNET	
104	1-575-001-11	WIRE, FLAT TYPE (12 CORE)	
⚠107	8-848-144-01	DEVICE, OPTICAL KSS-240A	(MADE IN JAPAN)
⚠107	8-848-144-51	DEVICE, OPTICAL KSS-240A	(MADE IN FRANCE)
FLD401	1-519-681-11	INDICATOR TUBE, FLUORESCENT	
M101	X-4917-504-1	MOTOR ASSY (SLED)	
M102	X-4917-523-3	MOTOR ASSY (SPINDLE)	
M191	A-4604-363-A	MOTOR (L) ASSY (LOADING)	
⚠T901	1-449-921-11	TRANSFORMER, POWER	(US, Canadian)
⚠T901	1-449-922-11	TRANSFORMER, POWER	(MADE IN JAPAN:AEP, Australian)
⚠T901	1-449-923-11	TRANSFORMER, POWER	(E)
⚠T901	1-449-925-11	TRANSFORMER, POWER	(MADE IN FRANCE)
**********			
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-465-867-11	REMOTE COMMANDER (RM-D597)	(AEP, G, UK)
	1-465-868-11	REMOTE COMMANDER (RM-D297)	(US, Canadian, E, Australian)
	1-558-271-11	CORD, CONNECTION	
	2-181-754-01	COVER, BATTERY	
	3-754-386-11	MANUAL, INSTRUCTION (ENGLISH, F, E, P)	(MADE IN JAPAN:Canadian, AEP, UK, E, Australian)
	3-754-386-21	MANUAL, INSTRUCTION (ENGLISH)	(US)
	3-754-386-41	MANUAL, INSTRUCTION (D, I, NL, S)	(AEP)
	3-754-386-51	MANUAL, INSTRUCTION (ENGLISH, F, E, P)	(MADE IN FRANCE:AEP, UK)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.

When indicating parts by reference number, please include the board name.

Ref.No	Part No.	Description	Remark
	3-754-386-61	MANUAL, INSTRUCTION (D, I, NL, S) (MADE IN FRANCE:AEP)	
*	3-754-386-81	MANUAL, INSTRUCTION (D) (G)	
*	4-925-389-01	CUSHION (MADE IN JAPAN)	
*	4-929-506-02	CUSHION (MADE IN FRANCE)	
*	4-941-548-01	LABEL, CLASS 1 (EXCEPT US, Canadian, Australian)	
*	4-948-880-02	INDIVIDUAL CARTON (MADE IN FRANCE)	
*	4-950-870-02	INDIVIDUAL CARTON (MADE IN JAPAN)	

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HARDWARE LIST
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#1	7-682-548-09	SCREW +BVTT 3X8 (S)	
#2	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
#3	7-682-547-04	SCREW +BVTT 3X6 (S)	
#4	7-682-547-09	SCREW +B 3X6	
#5	7-621-775-10	SCREW +B 2.6X4	
#6	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S	
#7	7-621-255-15	SCREW +P 2X3	

D: GERMAN F: FRANCH NL: DUTCH S: SWEDISH
E: SPANISH I: ITALIAN P: PORTUGUESE

Ref.No	Part No.	Description	Remark

9-956-848-11

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